the Inductor book

Passive Components Volume 3

anglia

An invaluable resource for buyers and engineers

anglia

the Inductor book

An invaluable resource for buyers and engineers

This particular book presents Anglia's primary Inductor product lines sourced from nine key suppliers. Compiled in a convenient format to assist both buyers and engineers, it provides all the essential data and part numbers to aid the selection and ordering process for ease of design and manufacturing. The lines detailed are those considered to offer the best in terms of performance, cost and availability.

The Inductor book is Volume 3 of a series of 3 books specifically covering passive components and published exclusively by Anglia.

muRata
EPCOS
Fastron
MagneTTx
BOURNS
Panasonic
muRata Power Solutions
KASCHKE
SCHAFFNER

anglia

Tel : +44 (0)1945 47 47 47
Fax : +44 (0)1945 47 48 49
Email : info@anglia.com
Web : www.anglia.com

Address : Sandall Road, Wisbech, PE13 2PS U.K.

The remaining two books in the series cover Resistors and Capacitors. These are available in our Product Literature section on our website

www.anglia.com

ISO 9001:2000 Registered FS39417

afdec MEMBER

anglia

the Inductor book

Contents

continued

anglia

Contents

Contents continued overleaf > > > >

anglia

the Inductor book

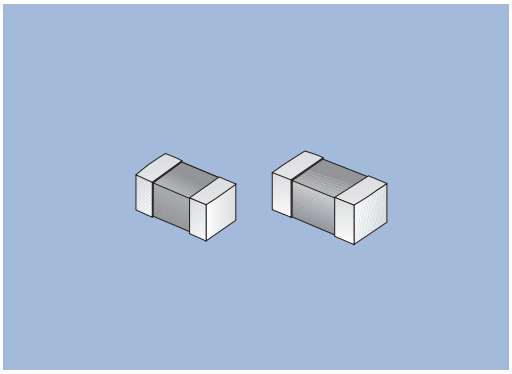
Contents

continued

anglia

Contents

All sizes given apply to the package (normally excluding terminals etc) and relate only to board area, unless height is also specified.



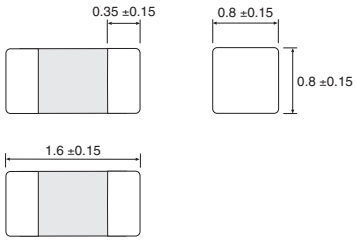
MURATA type LQMxxN Series

A range of general purpose, surface mount inductors consisting of a magnetically shielded chip coil developed from multilayer process technology. Offers small size and high reliability. Available in two chip sizes, 0603 and 0805, and ideally suited for audio, video and telecommunication applications. Supplied taped and reeled.

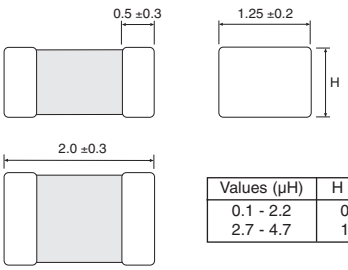
- Inductance values from **0.047µH to 4.7µH**
- Chip sizes **0603** & **0805**
- High Q values
- **Monolithic construction**
- Low DC resistance
- **Magnetically shielded**
- Suitable for wave & reflow soldering
- Supplied taped & reeled

Dimensions (mm)

LQM18N (0603)

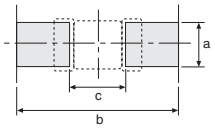


LQM21N (0805)



Values (µH)	H ±0.2
0.1 - 2.2	0.85
2.7 - 4.7	1.25

Pad Pattern



Series		a	b	c
LQM18N	wave	0.7	2.2 - 2.6	0.7
	reflow		1.8 - 2.0	
LQM21N		1.0	3.0 - 4.0	1.2

Specification	LQMxxN
Inductance range	0.047µH (47nH) to 4.7µH (4700nH)
Inductance tolerance	As listed
Operating temperature range	-40°C to +85°C

Packaging	
Tape	8mm wide, 4mm pitch
Reel	180mm dia.

INDUCTANCE CONVERSION GUIDE

Nano-Henry (nH)	Micro-Henry (µH)
1.0	0.001
1.5	0.0015
2.2	0.0022
3.3	0.0033
4.7	0.0047
6.8	0.0068
10	0.01
15	0.015
22	0.022
33	0.033
47	0.047
68	0.068
100	0.1
150	0.15
220	0.22
330	0.33
470	0.47
680	0.68
1000	1.0
1500	1.5
2200	2.2
3300	3.3
4700	4.7
6800	6.8

0603 size, type LQM18N

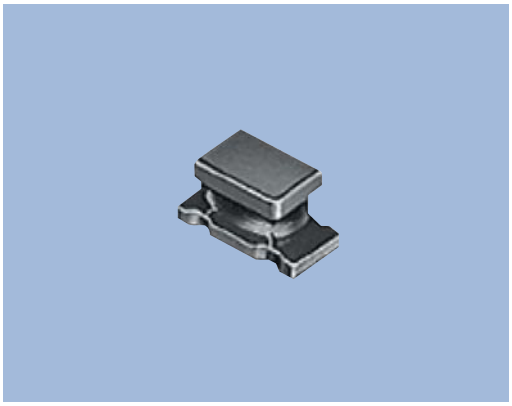
ORDER CODES

Value (µH)	Tolerance	Test Freq. (MHz)	Q min.	Test Freq. (MHz)	SRF min. (MHz)	DC Resistance max. (Ω)	Current Rating (mA)	Order Code
0.047	20%	50	10	50	260	0.3	50	LQM18NN47NM00D
0.068	20%	50	10	50	250	0.3	50	LQM18NN68NM00D
0.082	20%	50	10	50	245	0.3	50	LQM18NN82NM00D
0.1	10%	25	15	25	240	0.5	50	LQM18NNR10K00D
0.12	10%	25	15	25	205	0.5	50	LQM18NNR12K00D
0.15	10%	25	15	25	180	0.6	50	LQM18NNR15K00D
0.18	10%	25	15	25	165	0.6	50	LQM18NNR18K00D
0.22	10%	25	15	25	150	0.8	50	LQM18NNR22K00D
0.27	10%	25	15	25	136	0.8	50	LQM18NNR27K00D
0.33	10%	25	15	25	125	0.85	35	LQM18NNR33K00D
0.39	10%	25	15	25	110	1.0	35	LQM18NNR39K00D
0.47	10%	25	15	25	105	1.35	35	LQM18NNR47K00D
0.56	10%	25	15	25	95	1.55	35	LQM18NNR56K00D
0.68	10%	25	15	25	90	1.7	35	LQM18NNR68K00D
0.82	10%	25	15	25	85	2.1	35	LQM18NNR82K00D
1.0	10%	10	35	10	75	0.6	25	LQM18NN1R0K00D
1.2	10%	10	35	10	65	0.8	25	LQM18NN1R2K00D
1.5	10%	10	35	10	60	0.8	25	LQM18NN1R5K00D
1.8	10%	10	35	10	55	0.95	25	LQM18NN1R8K00D
2.2	10%	10	35	10	50	1.15	15	LQM18NN2R2K00D

0805 size, type LQM21N

ORDER CODES

Value (µH)	Tolerance	Test Freq. (MHz)	Q min.	Test Freq. (MHz)	SRF min. (MHz)	DC Resistance max. (Ω)	Current Rating (mA)	Order Code
0.1	10%	25	20	25	340	0.26	250	LQM21NNR10K10D
0.12	10%	25	20	25	310	0.29	250	LQM21NNR12K10D
0.15	10%	25	20	25	270	0.32	250	LQM21NNR15K10D
0.18	10%	25	20	25	250	0.35	250	LQM21NNR18K10D
0.22	10%	25	20	25	220	0.38	250	LQM21NNR22K10D
0.27	10%	25	20	25	200	0.42	250	LQM21NNR27K10D
0.33	10%	25	20	25	180	0.48	250	LQM21NNR33K10D
0.39	10%	25	25	25	165	0.53	200	LQM21NNR39K10D
0.47	10%	25	25	25	150	0.57	200	LQM21NNR47K10D
0.56	10%	25	25	25	140	0.63	150	LQM21NNR56K10D
0.68	10%	25	25	25	125	0.72	150	LQM21NNR68K10D
0.82	10%	25	25	25	115	0.81	150	LQM21NNR82K10D
1.0	10%	10	45	10	107	0.40	50	LQM21NN1R0K10D
1.2	10%	10	45	10	97	0.47	50	LQM21NN1R2K10D
1.5	10%	10	45	10	87	0.50	50	LQM21NN1R5K10D
1.8	10%	10	45	10	80	0.57	50	LQM21NN1R8K10D
2.2	10%	10	45	10	71	0.63	30	LQM21NN2R2K10D
2.7	10%	10	45	10	66	0.69	30	LQM21NN2R7K10L
3.3	10%	10	45	10	59	0.80	30	LQM21NN3R3K10L
3.9	10%	10	45	10	53	0.89	30	LQM21NN3R9K10L
4.7	10%	10	45	10	47	1.0	30	LQM21NN4R7K10L



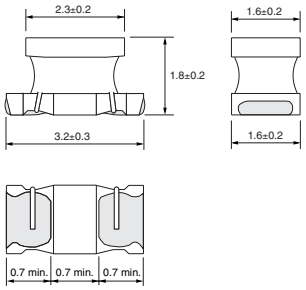
MURATA type LQHxxM/N Series

A range of wirewound inductors, which are not magnetically shielded, designed to give high Q value at high frequencies. The series offers low DC resistance and an excellent inductance range over 3 package sizes. Supplied tape and reeled.

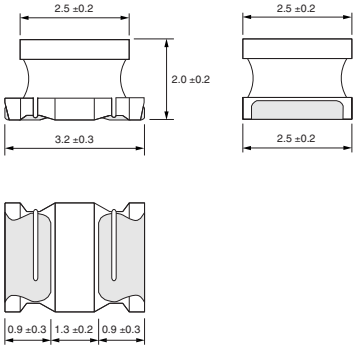
- Inductance values from **0.15µH to 1500µH**
- Chip sizes from **1206 to 1812**
- High Q value at high frequencies
- **Wirewound construction**
- Low DC resistance
- Supplied taped & reeled

Dimensions (mm)

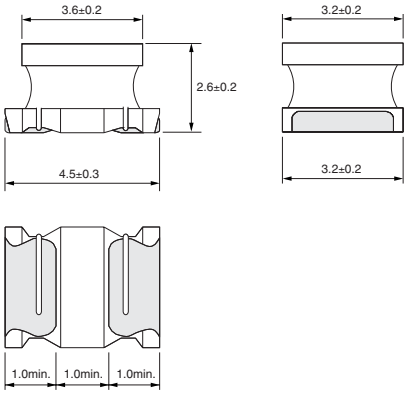
LQH31M (1206)



LQH32M (1210)



LQH43M & LQH43N (1812)



Specification	LQHxxM/N
Inductance range	0.15µH (150nH) to 1500µH (1.5mH)
Inductance tolerance	As listed (5% available to order)
Operating temperature range	-40°C to +85°C

Packaging		
Tape		
	1206 & 1210	8mm wide, 4mm pitch
	1812	12mm wide, 8mm pitch
Reel		180mm dia.

1206 size, type LQH31M

ORDER CODES

Value (µH)	Tolerance	Test Freq. (MHz)	Q min.	Test Freq. (MHz)	SRF min. (MHz)	DC Resistance ±30% (Ω)	Current Rating (mA)	Order Code
0.15	10%	1	20	25	250	0.39*	250	LQH31MNR15K03L
0.22	10%	1	20	25	250	0.43*	240	LQH31MNR22K03L
0.33	10%	1	30	25	250	0.45*	230	LQH31MNR33K03L
0.47	10%	1	30	25	200	0.83*	215	LQH31MNR47K03L
0.56	10%	1	30	25	180	0.61*	200	LQH31MNR56K03L
0.68	10%	1	30	25	160	0.67*	190	LQH31MNR68K03L
0.82	10%	1	30	25	120	0.73*	185	LQH31MNR82K03L
1.0	10%	1	35	10	100	0.49	175	LQH31MN1R0K03L
1.2	10%	1	35	10	90	0.9	165	LQH31MN1R2K03L
1.5	10%	1	35	10	75	1.0	155	LQH31MN1R5K03L
1.8	10%	1	35	10	60	1.6	150	LQH31MN1R8K03L
2.2	10%	1	35	10	50	0.7	140	LQH31MN2R2K03L
2.7	10%	1	35	10	43	0.55	135	LQH31MN2R7K03L
3.3	10%	1	35	8	38	0.61	130	LQH31MN3R3K03L
3.9	10%	1	35	8	35	1.5	125	LQH31MN3R9K03L
4.7	10%	1	35	8	31	1.7	120	LQH31MN4R7K03L
5.6	10%	1	35	8	28	1.8	115	LQH31MN5R6K03L
6.8	10%	1	35	8	25	2.0	110	LQH31MN6R8K03L
8.2	10%	1	35	8	23	2.2	105	LQH31MN8R2K03L
10	10%	1	35	5	20	2.5	100	LQH31MN100K03L
12	10%	1	35	5	18	2.7	95	LQH31MN120K03L
15	10%	1	35	5	16	3.0	90	LQH31MN150K03L
18	10%	1	35	5	15	3.4	85	LQH31MN180K03L
22	10%	1	40	2.5	14	3.1	85	LQH31MN220K03L
27	10%	1	40	2.5	13	3.4	85	LQH31MN270K03L
33	10%	1	40	2.5	12	3.8	80	LQH31MN330K03L
39	10%	1	40	2.5	11	7.2	55	LQH31MN390K03L
47	10%	1	40	2.5	10	8.0	55	LQH31MN470K03L
56	10%	1	40	2.5	9	8.9	50	LQH31MN560K03L
68	10%	1	40	2.5	8.5	9.9	50	LQH31MN680K03L
82	10%	1	40	2.5	7.5	11.0	45	LQH31MN820K03L
100	10%	1	40	2.5	7	12.0	45	LQH31MN101K03L

* ±40% resistance

1210 size, type LQH32M

ORDER CODES

Value (µH)	Tolerance	Test Freq. (MHz)	Q min.	Test Freq. (MHz)	SRF min. (MHz)	DC Resistance max. (Ω)	Current Rating (mA)	Order Code
1.0	20%	1	20	1	100	0.5	445	LQH32MN1R0M23L
1.2	20%	1	20	1	100	0.5	425	LQH32MN1R2M23L
1.5	10%	1	20	1	75	0.6	400	LQH32MN1R5K23L
1.8	10%	1	20	1	60	0.7	390	LQH32MN1R8K23L
2.2	10%	1	20	1	50	0.8	370	LQH32MN2R2K23L
2.7	10%	1	20	1	43	0.9	320	LQH32MN2R7K23L
3.3	10%	1	20	1	38	1.0	300	LQH32MN3R3K23L
2.9	10%	1	20	1	35	1.1	290	LQH32MN3R9K23L
4.7	10%	1	20	1	31	1.2	270	LQH32MN4R7K23L
5.6	10%	1	20	1	28	1.3	250	LQH32MN5R6K23L
6.8	10%	1	20	1	25	1.5	240	LQH32MN6R8K23L
8.2	10%	1	20	1	23	1.6	225	LQH32MN8R2K23L
10	10%	1	35	1	20	1.8	190	LQH32MN100K23L
12	10%	1	35	1	18	2.0	180	LQH32MN120K23L
15	10%	1	35	1	16	2.2	170	LQH32MN150K23L
18	10%	1	35	1	15	2.5	165	LQH32MN180K23L
22	10%	1	35	1	14	2.8	150	LQH32MN220K23L
27	10%	1	35	1	13	3.1	125	LQH32MN270K23L
33	10%	1	40	1	12	3.5	115	LQH32MN330K23L
39	10%	1	40	1	11	3.9	110	LQH32MN390K23L
47	10%	1	40	1	11	4.3	100	LQH32MN470K23L
56	10%	1	40	1	10	4.9	85	LQH32MN560K23L
68	10%	1	40	1	9	5.5	80	LQH32MN680K23L
82	10%	1	40	1	8.5	6.2	70	LQH32MN820K23L
100	10%	1	40	0.796	8	7.0	80	LQH32MN101K23L
120	10%	1	40	0.796	7.5	8.0	75	LQH32MN121K23L
150	10%	1	40	0.796	7	9.3	70	LQH32MN151K23L
180	10%	1	40	0.796	6	10.2	65	LQH32MN181K23L
220	10%	1	40	0.796	5.5	11.8	65	LQH32MN221K23L
270	10%	1	40	0.796	5	12.5	65	LQH32MN271K23L
330	10%	1	40	0.796	5	13.0	65	LQH32MN331K23L
390	10%	1	50	0.796	5	22.0	50	LQH32MN391K23L
470	10%	0.001	50	0.796	5	25.0	45	LQH32MN471K23L
560	10%	0.001	50	0.796	5	28.0	40	LQH32MN561K23L

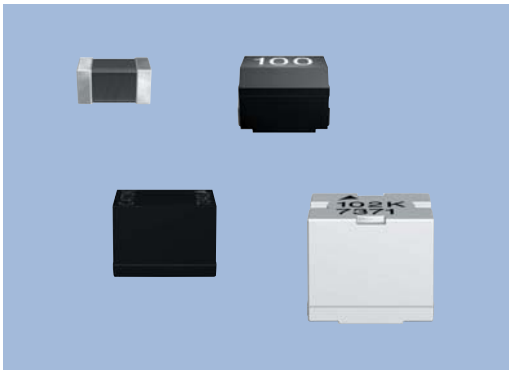
LQHxxM/N Series continued overleaf > >

continuation

1812 size, type LQH43M/N

ORDER CODES

Value (µH)	Tolerance	Test Freq. (MHz)	Q min.	Test Freq. (MHz)	SRF min. (MHz)	DC Resistance max. (Ω)	Current Rating (mA)	Order Code
1.0	20%	1	20	1	120	0.2	500	*LQH43MN1R0M03L*
1.2	20%	1	20	1	100	0.2	500	*LQH43MN1R2M03L*
1.5	20%	1	20	1	85	0.3	500	*LQH43MN1R5M03L*
1.8	20%	1	20	1	75	0.3	500	*LQH43MN1R8M03L*
2.2	20%	1	20	1	62	0.3	500	*LQH43MN2R2M03L*
2.7	20%	1	20	1	53	0.32	500	*LQH43MN2R7M03L*
3.3	20%	1	20	1	47	0.35	500	*LQH43MN3R3M03L*
3.9	20%	1	20	1	41	0.38	500	*LQH43MN3R9M03L*
4.7	10%	1	30	1	38	0.40	500	*LQH43MN4R7K03L*
5.6	10%	1	30	1	33	0.47	500	*LQH43MN5R6K03L*
6.8	10%	1	30	1	31	0.50	450	*LQH43MN6R8K03L*
8.2	10%	1	30	1	27	0.56	450	*LQH43MN8R2K03L*
10	10%	1	35	1	23	0.56	400	*LQH43MN100K03L*
12	10%	1	35	1	21	0.62	380	*LQH43MN120K03L*
15	10%	1	35	1	19	0.73	360	*LQH43MN150K03L*
18	10%	1	35	1	17	0.82	340	*LQH43MN180K03L*
22	10%	1	35	1	15	0.94	320	*LQH43MN220K03L*
27	10%	1	35	1	14	1.1	300	*LQH43MN270K03L*
33	10%	1	35	1	12	1.2	270	*LQH43MN330K03L*
39	10%	1	35	1	11	1.4	240	*LQH43MN390K03L*
47	10%	1	35	1	10	1.5	220	*LQH43MN470K03L*
56	10%	1	35	1	9.3	1.7	200	*LQH43MN560K03L*
68	10%	1	35	1	8.4	1.9	180	*LQH43MN680K03L*
82	10%	1	35	1	7.5	2.2	170	*LQH43MN820K03L*
100	10%	1	40	0.796	6.8	2.5	160	*LQH43MN101K03L*
120	10%	1	40	0.796	6.2	3.0	150	*LQH43MN121K03L*
150	10%	1	40	0.796	5.5	3.7	130	*LQH43MN151K03L*
180	10%	1	40	0.796	5.0	4.5	120	*LQH43MN181K03L*
220	10%	1	40	0.796	4.5	5.4	110	*LQH43MN221K03L*
270	10%	1	40	0.796	4.0	6.8	100	*LQH43MN271K03L*
330	10%	1	40	0.796	3.6	8.2	95	*LQH43MN331K03L*
390	10%	1	40	0.796	3.3	9.7	90	*LQH43MN391K03L*
470	10%	0.001	40	0.796	3.0	11.8	80	*LQH43MN471K03L*
560	10%	0.001	40	0.796	2.7	14.5	70	*LQH43MN561K03L*
680	10%	0.001	40	0.796	2.5	17.0	65	*LQH43MN681K03L*
820	10%	0.001	40	0.796	2.2	20.5	60	*LQH43MN821K03L*
1000	10%	0.001	40	0.252	2.0	25.0	50	*LQH43MN102K03L*
1200	10%	0.001	40	0.252	1.8	30.0	45	*LQH43MN122K03L*
1500	10%	0.001	40	0.252	1.6	37.0	40	*LQH43MN152K03L*
1800	10%	0.001	40	0.252	1.5	45.0	35	*LQH43NN182K03L*
2200	10%	0.001	40	0.252	1.3	50.0	30	*LQH43NN222K03L*

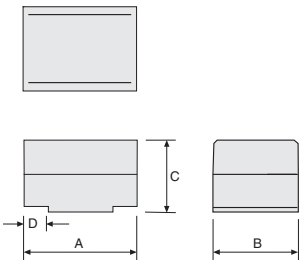


EPCOS type B824xxx Series

A range of general purpose, surface mount inductors available in chip sizes from 0402 to 2220 and constructed using miniaturised wirewound technology. Encapsulated in a robust moulding suitable for wave and reflow soldering. Supplied taped and reeled.

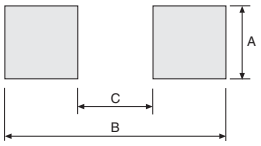
- Inductance values from **0.001µH (1nH) to 10000µH (10mH)**
- Chip sizes from **0402 to 2220**
- General purpose and high current versions
- **Robust wirewound construction**
- Other tolerances available to order on some ranges
- Suitable for wave & reflow soldering
- Supplied taped & reeled

Dimensions (mm)



Chip Size	A	B	C	D
0402	1.0	0.5	0.5	0.2
0603	1.6	0.8	0.8	0.3
0805	2.2	1.4	1.45	0.25
1008	2.5	2.0	1.6	0.4
1210	3.2	2.5	2.1	0.5
1812	4.5	2.6	3.2	0.6
2220	5.6	5.0	5.0	0.7

Pad Pattern



Chip Size	A	B	C
0402	0.55 ±0.05	1.6 ±0.1	0.55 ±0.05
0603	0.8 ±0.1	2.3 ±0.3	0.9 ±0.1
0805	1.1 ±0.2	3.4 ±0.4	1.1 ±0.1
1008	1.6	3.5	1.5
1210	2.7	4.4	2.1
1812	3.6	5.8	3.2
2220	4.5	8.0	4.0

Specification

Specification	B824xxx
Inductance range	0.001µH (1nH) to 10000µH (10mH)
Operating temperature range	0402, -40°C to +85°C 1008, -55°C to +85°C others, -55°C to +125°C

Packaging

Tape		
	0402 to 1210	8mm wide, 4mm pitch
	1812 & 2220	12mm wide, 8mm pitch
Reel		
	0402 to 1210	178mm dia.
	1812 & 2220	330mm dia.

SIMID 0402 size, type B82499A

ORDER CODES

Value (µH)	Tolerance	Q min.	Test Freq. (MHz)	SRF min. (MHz)	Rdc max. (Ω)	Idc max. (mA)	Order Code
0.001 (1nH)	0.0003µH	8	100	6000	0.05	400	*B82499A3109A*
0.0012	0.0003µH	8	100	6000	0.06	400	*B82499A3129A*
0.0015	0.0003µH	8	100	6000	0.07	400	*B82499A3159A*
0.0018	0.0003µH	8	100	6000	0.08	400	*B82499A3189A*
0.0022	0.0003µH	8	100	6000	0.09	400	*B82499A3229A*
0.0027	0.0003µH	8	100	5500	0.10	400	*B82499A3279A*
0.0033	0.0003µH	8	100	5500	0.12	400	*B82499A3339A*
0.0039	0.0003µH	8	100	5200	0.15	360	*B82499A3399A*
0.0047	0.0003µH	8	100	4800	0.17	360	*B82499A3479A*
0.0056	0.0003µH	8	100	4600	0.19	340	*B82499A3569A*
0.0068	5%	8	100	4000	0.30	320	*B82499A3689J*
0.0082	5%	8	100	3500	0.35	320	*B82499A3829J*
0.01	5%	8	100	2800	0.41	320	*B82499A3100J*
0.012	5%	8	100	2800	0.45	320	*B82499A3120J*
0.015	5%	8	100	2500	0.6	240	*B82499A3150J*
0.018	5%	8	100	2200	0.7	240	*B82499A3180J*
0.022	5%	8	100	2000	0.8	200	*B82499A3220J*
0.027	5%	8	100	1800	1.2	200	*B82499A3270J*
0.033	5%	8	100	1800	1.4	170	*B82499A3330J*
0.039	5%	8	100	1800	1.7	150	*B82499A3390J*
0.047	5%	8	100	1800	2.1	140	*B82499A3470J*
0.056	5%	8	100	1500	2.5	130	*B82499A3560J*
0.068	5%	8	100	1500	4.0	120	*B82499A3680J*
0.082	5%	8	100	1400	4.5	110	*B82499A3820J*
0.1	5%	8	100	1200	5.5	90	*B82499A3101J*

B824xxx Series continued on the following seven pages > > > >

+44 (0)1945 47 47 47 www.anglia.com info@anglia.com 7

continuation

SIMID 0603 size, type B82496C

ORDER CODES

Value (µH)	Tolerance	Q min.	Test Freq. (MHz)	SRF min. (MHz)	Rdc max. (Ω)	Idc max. (mA)	Order Code
0.001	0.0003µH	7	100	6000	0.05	500	B82496C3109A
0.0012	0.0003µH	7	100	6000	0.06	500	B82496C3129A
0.0015	0.0003µH	8	100	6000	0.07	500	B82496C3159A
0.0018	0.0003µH	8	100	6000	0.08	500	B82496C3189A
0.0022	0.0003µH	8	100	6000	0.09	500	B82496C3229A
0.0027	0.0003µH	8	100	6000	0.10	500	B82496C3279A
0.0033	0.0003µH	9	100	5500	0.12	500	B82496C3339A
0.0039	5%	9	100	5500	0.15	450	B82496C3399J
0.0047	5%	9	100	4800	0.17	450	B82496C3479J
0.0056	5%	9	100	4600	0.18	430	B82496C3569J
0.0068	5%	9	100	3550	0.20	430	B82496C3689J
0.0082	5%	9	100	3500	0.28	400	B82496C3829J
0.01	5%	10	100	2800	0.32	400	B82496C3100J
0.012	5%	10	100	2800	0.35	400	B82496C3120J
0.015	5%	10	100	2500	0.41	350	B82496C3150J
0.018	5%	10	100	2300	0.45	350	B82496C3180J
0.022	5%	10	100	2000	0.50	300	B82496C3220J
0.027	5%	10	100	2000	0.55	300	B82496C3270J
0.033	5%	10	100	1800	0.60	300	B82496C3330J
0.039	5%	11	100	1800	0.80	300	B82496C3390J
0.047	5%	11	100	1800	0.95	250	B82496C3470J
0.056	5%	12	100	1800	1.2	250	B82496C3560J
0.068	5%	12	100	1500	1.3	250	B82496C3680J
0.082	5%	12	100	1500	1.5	250	B82496C3820J
0.1	5%	12	100	1300	1.8	200	B82496C3101J
0.12	5%	5	25.2	1200	3.0	130	B82496C3121J
0.15	5%	5	25.2	1100	4.5	100	B82496C3151J
0.18	5%	4	25.2	1000	6.5	80	B82496C3181J
0.22	5%	4	25.2	900	7.5	70	B82496C3221J

SIMID 0805 size, type B82498B

ORDER CODES

Value (µH)	Tolerance	Q min.	Test Freq. (MHz)	SRF min. (MHz)	Rdc max. (Ω)	Idc max. (mA)	Order Code
0.0027	20%	20	250	6000	0.03	1000	B82498B3279M
0.0056	20%	25	250	6000	0.04	900	B82498B3569M
0.0068	10%	30	250	5500	0.05	800	B82498B3689K
0.0082	20%	35	250	5000	0.06	700	B82498B3829M
0.01	5%	40	250	4500	0.06	700	B82498B3100J
0.012	5%	40	250	4000	0.06	700	B82498B3120J
0.015	5%	40	250	3500	0.07	670	B82498B3150J
0.018	5%	45	250	3300	0.07	670	B82498B3180J
0.022	5%	45	250	2600	0.09	600	B82498B3220J
0.027	5%	50	250	2500	0.09	600	B82498B3270J
0.033	5%	45	250	2150	0.12	520	B82498B3330J
0.039	5%	50	250	2050	0.10	560	B82498B3390J
0.047	5%	45	200	1900	0.13	500	B82498B3470J
0.056	5%	45	200	1700	0.14	480	B82498B3560J
0.068	5%	45	200	1550	0.19	410	B82498B3680J
0.082	5%	40	150	1430	0.21	390	B82498B3820J
0.1	5%	40	150	1310	0.26	350	B82498B3101J
0.12	5%	40	150	1210	0.44	270	B82498B3121J
0.15	5%	35	100	1120	0.44	270	B82498B3151J
0.18	5%	35	100	1030	0.47	260	B82498B3181J
0.22	5%	35	100	950	0.55	240	B82498B3221J
0.27	5%	35	100	870	1.0	180	B82498B3271J
0.33	5%	35	100	800	1.0	180	B82498B3331J
0.39	5%	35	100	730	1.9	130	B82498B3391J
0.47	5%	35	100	660	2.4	115	B82498B3471J
0.56	5%	35	100	600	3.2	100	B82498B3561J
0.68	5%	20	25.2	450	0.5	250	B82498B1681J
0.82	5%	20	25.2	400	0.55	240	B82498B1821J
1.0	5%	20	7.96	350	0.5	250	B82498B1102J
1.2	5%	20	7.96	300	0.65	220	B82498B1122J
1.5	5%	20	7.96	250	0.75	200	B82498B1152J
1.8	5%	20	7.96	250	0.85	190	B82498B1182J
2.2	5%	20	7.96	200	1.7	130	B82498B1222J
2.7	5%	20	7.96	200	2.0	120	B82498B1272J
3.3	5%	20	7.96	200	3.3	100	B82498B1332J
3.9	5%	20	7.96	150	3.6	95	B82498B1392J
4.7	5%	20	7.96	150	3.8	90	B82498B1472J

continuation

SIMID 1008 size, type B82494A

ORDER CODES

Value (µH)	Tolerance	Q min.	Test Freq. (MHz)	SRF min. (MHz)	Rdc max. (Ω)	Idc max. (mA)	Order Code
0.01	10%	10	100	2500	0.32	280	*B82494A1100K*
0.012	10%	10	100	2500	0.34	270	*B82494A1120K*
0.015	10%	10	100	1800	0.38	255	*B82494A1150K*
0.018	10%	10	100	1550	0.40	250	*B82494A1180K*
0.022	10%	15	100	1350	0.43	240	*B82494A1220K*
0.027	10%	15	100	1150	0.47	230	*B82494A1270K*
0.033	10%	15	100	1000	0.51	220	*B82494A1330K*
0.039	10%	15	100	890	0.55	215	*B82494A1390K*
0.047	10%	15	100	770	0.59	205	*B82494A1470K*
0.056	10%	15	100	670	0.63	200	*B82494A1560K*
0.068	10%	15	100	590	0.68	190	*B82494A1680K*
0.082	10%	15	100	520	0.73	185	*B82494A1820K*
0.1	10%	10	25.2	460	0.80	175	*B82494A1101K*
0.12	10%	10	25.2	400	0.87	170	*B82494A1121K*
0.15	10%	10	25.2	340	0.98	160	*B82494A1151K*
0.18	10%	10	25.2	300	1.05	155	*B82494A1181K*
0.22	10%	25	25.2	230	0.70	190	*B82494A1221K*
0.27	10%	25	25.2	210	0.75	180	*B82494A1271K*
0.33	10%	25	25.2	190	0.85	170	*B82494A1331K*
0.39	10%	25	25.2	175	0.95	160	*B82494A1391K*
0.47	10%	25	25.2	160	1.0	155	*B82494A1471K*
0.56	10%	25	25.2	150	1.1	150	*B82494A1561K*
0.68	10%	25	25.2	135	1.25	140	*B82494A1681K*
0.82	10%	25	25.2	125	1.4	130	*B82494A1821K*
1.0	10%	25	7.96	115	0.65	195	*B82494A1102K*
1.2	10%	25	7.96	100	0.75	180	*B82494A1122K*
1.5	10%	25	7.96	90	0.85	170	*B82494A1152K*
1.8	10%	25	7.96	85	0.95	160	*B82494A1182K*
2.2	10%	25	7.96	80	1.05	155	*B82494A1222K*
2.7	10%	25	7.96	75	1.2	145	*B82494A1272K*
3.3	10%	25	7.96	65	1.3	135	*B82494A1332K*
3.9	10%	25	7.96	60	1.4	130	*B82494A1392K*
4.7	10%	25	7.96	55	1.55	125	*B82494A1472K*
5.6	10%	25	7.96	50	1.75	120	*B82494A1562K*
6.8	10%	25	7.96	45	1.95	115	*B82494A1682K*
8.2	10%	25	7.96	40	2.2	105	*B82494A1822K*
10	10%	25	2.52	32	3.5	80	*B82494A1103K*
12	10%	25	2.52	30	3.8	75	*B82494A1123K*
15	10%	25	2.52	28	4.4	70	*B82494A1153K*
18	10%	25	2.52	25	5.0	65	*B82494A1183K*
22	10%	25	2.52	22	5.8	60	*B82494A1223K*
27	10%	20	2.52	21	6.3	115	*B82494A1273K*
33	10%	20	2.52	20	7.1	110	*B82494A1333K*
39	10%	20	2.52	18	9.5	90	*B82494A1393K*
47	10%	20	2.52	17	11	80	*B82494A1473K*
56	10%	20	2.52	16	12.1	75	*B82494A1563K*
68	10%	20	2.52	15	16.6	70	*B82494A1683K*
82	10%	20	2.52	13	19	65	*B82494A1823K*
100	10%	15	0.796	12	21	60	*B82494A1104K*

FREQUENCY CONVERSION GUIDE	
MHz	**GHz**
1000	1.0
1500	1.5
2500	2.5
4500	4.5
6000	6.0
10000	10.0
15000	15.0

B824xxx Series continued overleaf > > > >

+44 (0)1945 47 47 47 www.anglia.com info@anglia.com

continuation

SIMID 1210 size, type B82422T

ORDER CODES

Value (µH)	Tolerance	Q min.	Test Freq. (MHz)	SRF min. (MHz)	Rdc max. (Ω)	Idc max. (mA)	Order Code
0.01	5%	15	100	4000	0.10	450	*B82422T3100J*
0.012	5%	17	100	3500	0.11	450	*B82422T3120J*
0.015	5%	19	100	3000	0.13	450	*B82422T3150J*
0.018	5%	21	100	2000	0.14	450	*B82422T3180J*
0.022	5%	23	100	2000	0.16	450	*B82422T3220J*
0.027	5%	23	100	1700	0.17	450	*B82422T3270J*
0.033	5%	25	100	1700	0.18	450	*B82422T3330J*
0.039	5%	25	100	1300	0.19	450	*B82422T3390J*
0.047	5%	26	100	1300	0.20	450	*B82422T3470J*
0.056	5%	26	100	1100	0.21	450	*B82422T3560J*
0.068	5%	27	100	1000	0.23	450	*B82422T3680J*
0.082	5%	27	100	1000	0.26	450	*B82422T3820J*
0.1	5%	28	100	900	0.31	450	*B82422T3101J*
0.12	5%	30	25.2	900	0.15	450	*B82422T1121J*
0.15	5%	30	25.2	700	0.18	450	*B82422T1151J*
0.18	5%	30	25.2	500	0.19	450	*B82422T1181J*
0.22	5%	30	25.2	500	0.20	450	*B82422T1221J*
0.27	5%	30	25.2	500	0.21	450	*B82422T1271J*
0.33	5%	30	25.2	500	0.23	450	*B82422T1331J*
0.39	5%	30	25.2	400	0.25	450	*B82422T1391J*
0.47	5%	30	25.2	400	0.30	450	*B82422T1471J*
0.56	5%	30	25.2	300	0.31	450	*B82422T1561J*
0.68	5%	30	25.2	300	0.34	450	*B82422T1681J*
0.82	5%	30	25.2	300	0.38	450	*B82422T1821J*
1.0	5%	30	7.96	300	0.6	400	*B82422T1102J*
1.2	5%	30	7.96	250	0.7	390	*B82422T1122J*
1.5	5%	30	7.96	200	0.7	370	*B82422T1152J*
1.8	5%	30	7.96	140	0.8	350	*B82422T1182J*
2.2	5%	30	7.96	100	0.8	320	*B82422T1222J*
2.7	5%	30	7.96	70	0.9	290	*B82422T1272J*
3.3	5%	30	7.96	60	1.2	260	*B82422T1332J*
3.9	5%	30	7.96	60	1.3	250	*B82422T1392J*
4.7	5%	30	7.96	50	1.5	220	*B82422T1472J*
5.6	5%	27	7.96	45	1.6	200	*B82422T1562J*
6.8	5%	27	7.96	40	1.8	180	*B82422T1682J*
8.2	5%	27	7.96	35	2.0	170	*B82422T1822J*
10	5%	27	2.52	30	2.1	150	*B82422T1103J*
12	5%	27	2.52	25	2.5	140	*B82422T1123J*
15	5%	27	2.52	20	2.8	130	*B82422T1153J*
18	5%	27	2.52	20	3.0	120	*B82422T1183J*
22	5%	27	2.52	20	3.5	110	*B82422T1223J*
27	5%	27	2.52	20	4.5	80	*B82422T1273J*
33	5%	27	2.52	17	5.6	70	*B82422T1333J*
39	5%	27	2.52	16	6.4	65	*B82422T1393J*
47	5%	27	2.52	15	7.0	60	*B82422T1473J*
56	5%	27	2.52	12	8.0	60	*B82422T1563J*
68	5%	27	2.52	9	9.0	60	*B82422T1683J*
82	5%	25	2.52	9	10	60	*B82422T1823J*
100	5%	20	0.796	8	11	60	*B82422T1104J*

see following page for higher current range > > > >

continuation

SIMID 1210 size, type B82422A, higher current rating

ORDER CODES

Value (µH)	Tolerance	Test Freq. (MHz)	Q min.	Test Freq. (MHz)	SRF min. (MHz)	Rdc max. (Ω)	Idc max. (mA)	Order Code
0.0082	10%	10	20	100	4000	0.08	800	*B82422A3829K100*
0.01	10%	10	20	100	4000	0.09	750	*B82422A3100K100*
0.012	10%	10	25	100	3500	0.10	700	*B82422A3120K100*
0.015	10%	10	27	100	3000	0.12	640	*B82422A3150K100*
0.018	10%	10	30	100	2500	0.12	640	*B82422A3180K100*
0.022	10%	10	30	100	2500	0.14	600	*B82422A3220K100*
0.033	10%	10	20	50	1700	0.17	540	*B82422A3330K100*
0.039	10%	10	25	50	1450	0.18	530	*B82422A3390K100*
0.047	10%	10	26	50	1350	0.19	510	*B82422A3470K100*
0.068	10%	10	27	50	1150	0.21	480	*B82422A3680K100*
0.082	10%	10	27	50	1050	0.24	450	*B82422A3820K100*
0.1	10%	10	25	50	1000	0.26	440	*B82422A3101K100*
0.12	10%	1	22	30	880	0.32	400	*B82422A3121K100*
0.15	10%	1	25	30	850	0.33	390	*B82422A3151K100*
0.18	10%	1	25	30	800	0.38	360	*B82422A3181K100*
0.22	10%	1	25	30	700	0.64	280	*B82422A3221K100*
0.27	10%	1	20	30	650	0.90	235	*B82422A3271K100*
0.33	10%	1	22	30	580	1.3	200	*B82422A3331K100*
0.39	10%	1	22	30	540	1.4	190	*B82422A3391K100*
0.47	10%	1	22	30	480	2.2	150	*B82422A3471K100*
0.68	10%	1	22	30	280	2.4	145	*B82422A3681K100*
0.82	10%	1	22	30	240	2.5	140	*B82422A3821K100*
1.0	10%	1	20	7.96	320	0.34	380	*B82422A1102K100*
1.5	10%	1	20	7.96	270	0.50	340	*B82422A1152K100*
1.8	10%	1	25	7.96	250	0.60	290	*B82422A1182K100*
2.2	10%	1	25	7.96	125	0.75	270	*B82422A1222K100*
3.3	10%	1	27	7.96	110	1.2	200	*B82422A1332K100*
4.7	10%	1	27	7.96	110	2.2	150	*B82422A1472K100*
5.6	10%	1	27	7.96	100	2.6	140	*B82422A1562K100*
6.8	10%	1	27	7.96	90	2.8	135	*B82422A1682K100*
8.2	10%	1	27	7.96	90	3.0	130	*B82422A1822K100*
10	10%	1	27	2.52	25	1.6	180	*B82422A1103K100*
12	10%	0.1	27	2.52	23	1.65	175	*B82422A1123K100*
15	10%	0.1	27	2.52	20	1.85	165	*B82422A1153K100*
22	10%	0.1	27	2.52	16	2.65	140	*B82422A1223K100*
33	10%	0.1	27	2.52	13	4.5	105	*B82422A1333K100*
47	10%	0.1	27	2.52	11	7.0	85	*B82422A1473K100*
68	10%	0.1	27	2.52	9	7.7	80	*B82422A1683K100*
100	10%	0.1	27	2.52	7	11.5	65	*B82422A1104K100*

INDUCTANCE CONVERSION GUIDE

Nano-Henry (nH)	Micro-Henry (µH)
1.0	0.001
1.5	0.0015
2.2	0.0022
3.3	0.0033
4.7	0.0047
6.8	0.0068
10	0.01
15	0.015
22	0.022
33	0.033
47	0.047
68	0.068
100	0.1
150	0.15
220	0.22
330	0.33
470	0.47
680	0.68
1000	1.0
1500	1.5
2200	2.2
3300	3.3
4700	4.7
6800	6.8

Micro-Henry (µH)	Milli-Henry (mH)
10	0.01
15	0.015
22	0.022
33	0.033
47	0.047
68	0.068
100	0.1
150	0.15
220	0.22
330	0.33
470	0.47
680	0.68
1000	1.0
1500	1.5
2200	2.2
3300	3.3
4700	4.7
6800	6.8
10000	10

B824xxx Series continued overleaf > > > >

+44 (0)1945 47 47 47 www.anglia.com info@anglia.com 11

continuation

SIMID 1812 size, type B82432A

ORDER CODES

Value (µH)	Tolerance	Test Freq. (MHz)	Q min.	Test Freq. (MHz)	SRF min. (MHz)	Rdc max. (Ω)	Idc max. (mA)	Order Code
1.0	10%	1	25	7.96	260	0.28	600	B82432A1102K
1.2	10%	1	25	7.96	250	0.32	560	B82432A1122K
1.5	10%	1	25	7.96	230	0.35	520	B82432A1152K
1.8	10%	1	25	7.96	210	0.41	490	B82432A1182K
2.2	10%	1	30	7.96	190	0.43	480	B82432A1222K
2.7	10%	1	30	7.96	170	0.49	450	B82432A1272K
3.3	10%	1	30	7.96	155	0.55	425	B82432A1332K
3.9	10%	1	30	7.96	145	0.59	410	B82432A1392K
4.7	10%	1	30	7.96	110	0.65	390	B82432A1472K
5.6	10%	1	30	7.96	100	0.71	375	B82432A1562K
6.8	10%	1	30	7.96	75	0.78	360	B82432A1682K
8.2	10%	1	30	7.96	23	0.92	330	B82432A1822K
10	10%	1	45	2.52	22	0.98	320	B82432A1103K
12	10%	0.1	45	2.52	19	1.10	300	B82432A1123K
15	10%	0.1	45	2.52	17	1.25	280	B82432A1153K
18	10%	0.1	45	2.52	15	1.35	270	B82432A1183K
22	10%	0.1	45	2.52	13	1.45	260	B82432A1223K
27	10%	0.1	45	2.52	12	1.65	245	B82432A1273K
33	10%	0.1	45	2.52	10.5	1.85	230	B82432A1333K
39	10%	0.1	45	2.52	10	2.05	220	B82432A1393K
47	10%	0.1	40	2.52	9.5	2.3	210	B82432A1473K
56	10%	0.1	40	2.52	9.0	2.5	200	B82432A1563K
68	10%	0.1	40	2.52	8.0	2.8	190	B82432A1683K
82	10%	0.1	35	2.52	7.0	3.2	175	B82432A1823K
100	10%	0.1	40	2.52	6.5	4.7	145	B82432A1104K
120	10%	0.1	35	0.796	6.0	5.2	140	B82432A1124K
150	10%	0.1	35	0.796	5.5	6.1	130	B82432A1154K
180	10%	0.1	35	0.796	5.0	6.9	120	B82432A1184K
220	10%	0.1	30	0.796	4.6	7.5	115	B82432A1224K
270	10%	0.1	30	0.796	4.4	12.5	90	B82432A1274K
330	10%	0.1	30	0.796	4.1	14.1	85	B82432A1334K
390	10%	0.1	35	0.796	3.8	15.3	80	B82432A1394K
470	10%	0.1	35	0.796	3.5	17.5	75	B82432A1474K
560	10%	0.1	30	0.796	2.8	23	70	B82432A1564K
680	10%	0.1	30	0.796	2.6	25	65	B82432A1684K
820	10%	0.1	30	0.796	2.5	28	60	B82432A1824K
1000	10%	0.1	30	0.796	2.3	32	55	B82432A1105K

SIMID 1812 size, type B82432T, higher current rating

ORDER CODES

Value (µH)	Tolerance	Q min.	Test Freq. (MHz)	SRF min. (MHz)	Rdc max. (Ω)	Idc max. (mA)	Order Code
1.0	10%	10	7.96	110	0.08	1300	B82432T1102K
1.2	10%	10	7.96	100	0.10	1200	B82432T1122K
1.5	10%	10	7.96	80	0.11	1150	B82432T1152K
1.8	10%	10	7.96	70	0.13	1050	B82432T1182K
2.2	10%	10	7.96	60	0.15	1000	B82432T1222K
2.7	10%	10	7.96	55	0.17	950	B82432T1272K
3.3	10%	10	7.96	50	0.19	900	B82432T1332K
3.9	10%	10	7.96	45	0.20	850	B82432T1392K
4.7	10%	10	7.96	40	0.22	800	B82432T1472K
5.6	10%	10	7.96	38	0.26	750	B82432T1562K
6.8	10%	10	7.96	36	0.3	700	B82432T1682K
8.2	10%	10	7.96	30	0.33	670	B82432T1822K
10	10%	10	2.52	25	0.35	650	B82432T1103K
12	10%	10	2.52	23	0.45	630	B82432T1123K
15	10%	10	2.52	20	0.5	600	B82432T1153K
18	10%	10	2.52	18	0.6	550	B82432T1183K
22	10%	10	2.52	15	0.7	450	B82432T1223K
27	10%	10	2.52	14	1.0	430	B82432T1273K
33	10%	10	2.52	13	1.2	400	B82432T1333K
39	10%	10	2.52	12	1.3	380	B82432T1393K
47	10%	10	2.52	11	1.35	350	B82432T1473K
56	10%	10	2.52	10	2.0	300	B82432T1563K
68	10%	10	2.52	8.0	2.5	250	B82432T1683K
82	10%	10	2.52	7.0	3.0	220	B82432T1823K
100	10%	20	0.796	6.5	3.5	200	B82432T1104K
120	10%	20	0.796	6.3	4.5	180	B82432T1124K
150	10%	20	0.796	6.1	6.0	160	B82432T1154K
180	10%	20	0.796	5.5	7.0	140	B82432T1184K
220	10%	20	0.796	4.5	7.5	130	B82432T1224K
270	10%	20	0.796	4.3	10.5	120	B82432T1274K
330	10%	20	0.796	4.1	11	120	B82432T1334K
390	10%	20	0.796	3.9	13	110	B82432T1394K
470	10%	20	0.796	3.5	15	100	B82432T1474K
560	10%	20	0.796	3.0	20	90	B82432T1564K
680	10%	20	0.796	2.6	23	80	B82432T1684K
820	10%	20	0.796	2.4	27	80	B82432T1824K
1000	10%	20	0.252	2.3	30	70	B82432T1105K

continuation

SIMID 2220 size, type B82442A

ORDER CODES

Value (µH)	Tolerance	Q min.	Test Freq. (MHz)	SRF min. (MHz)	Rdc max. (Ω)	Idc max. (mA)	Order Code
1.0	10%	10	7.96	95	0.024	1800	*B82442A1102K*
1.2	10%	10	7.96	70	0.028	1700	*B82442A1122K*
1.5	10%	10	7.96	55	0.032	1600	*B82442A1152K*
1.8	10%	10	7.96	47	0.040	1400	*B82442A1182K*
2.2	10%	10	7.96	42	0.048	1300	*B82442A1222K*
2.7	10%	10	7.96	37	0.056	1200	*B82442A1272K*
3.3	10%	10	7.96	34	0.064	1120	*B82442A1332K*
3.9	10%	10	7.96	32	0.072	1050	*B82442A1392K*
4.7	10%	10	7.96	29	0.088	950	*B82442A1472K*
5.6	10%	10	7.96	26	0.104	880	*B82442A1562K*
6.8	10%	10	7.96	24	0.120	810	*B82442A1682K*
8.2	10%	10	7.96	22	0.144	750	*B82442A1822K*
10	10%	10	2.52	19	0.168	690	*B82442A1103K*
12	10%	10	2.52	17	0.20	630	*B82442A1123K*
15	10%	10	2.52	16	0.24	580	*B82442A1153K*
18	10%	10	2.52	14	0.29	530	*B82442A1183K*
22	10%	10	2.52	13	0.35	480	*B82442A1223K*
27	10%	10	2.52	11.5	0.42	440	*B82442A1273K*
33	10%	10	2.52	10.5	0.50	400	*B82442A1333K*
39	10%	10	2.52	9.5	0.58	370	*B82442A1393K*
47	10%	10	2.52	8.5	0.68	340	*B82442A1473K*
56	10%	10	2.52	7.8	0.80	310	*B82442A1563K*
68	10%	10	2.52	7.0	0.96	290	*B82442A1683K*
82	10%	10	2.52	6.4	1.12	270	*B82442A1823K*
100	10%	20	0.796	6.0	1.28	250	*B82442A1104K*
120	10%	20	0.796	5.4	1.52	230	*B82442A1124K*
150	10%	20	0.796	4.8	1.76	210	*B82442A1154K*
180	10%	20	0.796	4.4	2.24	190	*B82442A1184K*
220	10%	20	0.796	3.9	2.72	170	*B82442A1224K*
270	10%	20	0.796	3.6	3.36	155	*B82442A1274K*
330	10%	20	0.796	3.2	3.92	140	*B82442A1334K*
390	10%	20	0.796	2.9	4.64	130	*B82442A1394K*
470	10%	20	0.796	2.6	5.6	120	*B82442A1474K*
560	10%	20	0.796	2.4	6.8	110	*B82442A1564K*
680	10%	20	0.796	2.2	8.0	100	*B82442A1684K*
820	10%	20	0.796	2.0	10.4	90	*B82442A1824K*
1000	10%	30	0.252	1.8	12	85	*B82442A1105K*
1200	10%	30	0.252	1.5	13.6	75	*B82442A1125K*
1500	10%	30	0.252	1.4	16	70	*B82442A1155K*
1800	10%	30	0.252	1.3	24	60	*B82442A1185K*
2200	10%	30	0.252	1.2	28	55	*B82442A1225K*
2700	10%	30	0.252	1.1	44	45	*B82442A1275K*
3300	10%	30	0.252	1.0	48	40	*B82442A1335K*
3900	10%	30	0.252	1.0	56	38	*B82442A1395K*
4700	10%	30	0.252	0.9	62.4	36	*B82442A1475K*
5600	10%	30	0.252	0.8	68	33	*B82442A1565K*
6800	10%	30	0.252	0.7	88	30	*B82442A1685K*
8200	10%	30	0.252	0.6	100	28	*B82442A1825K*
10000 (10mH)	10%	30	0.0796	0.5	120	25	*B82442A1106K*

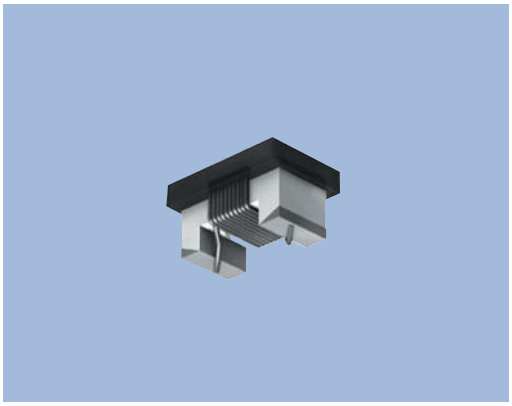
see following page for higher current range > > > >

continuation

SIMID 2220 size, type B82442H, higher current rating

ORDER CODES

Value (µH)	Tolerance	Q min.	Test Freq. (MHz)	SRF min. (MHz)	Rdc max. (Ω)	Idc max. (mA)	Order Code
1.0	10%	10	7.96	95	0.024	2500	***B82442H1102K***
1.2	10%	10	7.96	70	0.028	2350	***B82442H1122K***
1.5	10%	10	7.96	55	0.032	2200	***B82442H1152K***
1.8	10%	10	7.96	47	0.040	2000	***B82442H1182K***
2.2	10%	10	7.96	42	0.048	1800	***B82442H1222K***
2.7	10%	10	7.96	37	0.056	1700	***B82442H1272K***
3.3	10%	10	7.96	34	0.064	1550	***B82442H1332K***
3.9	10%	10	7.96	32	0.072	1450	***B82442H1392K***
4.7	10%	10	7.96	29	0.088	1350	***B82442H1472K***
5.6	10%	10	7.96	26	0.104	1250	***B82442H1562K***
6.8	10%	10	7.96	24	0.120	1130	***B82442H1682K***
8.2	10%	10	7.96	22	0.144	1050	***B82442H1822K***
10	10%	10	2.52	19	0.168	1000	***B82442H1103K***
12	10%	10	2.52	17	0.20	880	***B82442H1123K***
15	10%	10	2.52	16	0.24	810	***B82442H1153K***
18	10%	10	2.52	14	0.29	740	***B82442H1183K***
22	10%	10	2.52	13	0.35	670	***B82442H1223K***
27	10%	10	2.52	11.5	0.42	620	***B82442H1273K***
33	10%	10	2.52	10.5	0.50	560	***B82442H1333K***
39	10%	10	2.52	9.5	0.58	520	***B82442H1393K***
47	10%	10	2.52	8.5	0.68	480	***B82442H1473K***
56	10%	10	2.52	7.8	0.80	430	***B82442H1563K***
68	10%	10	2.52	7.0	0.96	400	***B82442H1683K***
82	10%	10	2.52	6.4	1.12	380	***B82442H1823K***
100	10%	20	0.796	6.0	1.28	350	***B82442H1104K***
120	10%	20	0.796	5.4	1.52	320	***B82442H1124K***
150	10%	20	0.796	4.8	1.76	290	***B82442H1154K***
180	10%	20	0.796	4.4	2.24	270	***B82442H1184K***
220	10%	20	0.796	3.9	2.72	240	***B82442H1224K***
270	10%	20	0.796	3.6	3.36	220	***B82442H1274K***
330	10%	20	0.796	3.2	3.92	200	***B82442H1334K***
390	10%	20	0.796	2.9	4.64	180	***B82442H1394K***
470	10%	20	0.796	2.6	5.6	170	***B82442H1474K***
560	10%	20	0.796	2.4	6.8	150	***B82442H1564K***
680	10%	20	0.796	2.2	8.0	140	***B82442H1684K***
820	10%	20	0.796	2.0	10.4	130	***B82442H1824K***
1000	10%	30	0.252	1.8	12	120	***B82442H1105K***
1200	10%	30	0.252	1.5	13.6	105	***B82442H1125K***
1500	10%	30	0.252	1.4	16	100	***B82442H1155K***
1800	10%	30	0.252	1.3	24	85	***B82442H1185K***
2200	10%	30	0.252	1.2	28	75	***B82442H1225K***
2700	10%	30	0.252	1.1	44	65	***B82442H1275K***
3300	10%	30	0.252	1.0	48	55	***B82442H1335K***
3900	10%	30	0.252	1.0	56	53	***B82442H1395K***
4700	10%	30	0.252	0.9	62.4	50	***B82442H1475K***
5600	10%	30	0.252	0.8	68	46	***B82442H1565K***
6800	10%	30	0.252	0.7	88	42	***B82442H1685K***
8200	10%	30	0.252	0.6	100	39	***B82442H1825K***
10000 (10mH)	10%	30	0.0796	0.5	120	35	***B82442H1106K***

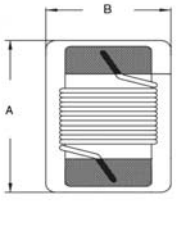


FASTRON type F

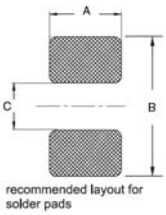
A range of general purpose wirewound inductors which are also ideal for RF applications that require optimal Q. Ferrite core construction allows a higher inductance value in a smaller package. Supplied taped and reeled.

- Inductance values from **0.047µH to 1000µH**
- Chip sizes from **0603 to 1210**
- Gold flash pad for excellent soldering ability
- **Wirewound construction**
- **Ferrite core** for high inductance values in smaller case sizes
- Other tolerances available to order
- Supplied taped & reeled

Dimensions (mm)



Chip Size	A max.	B max.	C max.
0603	1.7	1.1	1.0
0805	2.3	1.8	1.6
1008	2.9	2.8	2.1
1206	4.0	2.5	1.5
1210	3.8	3.0	2.4



Pad Pattern

Chip Size	A	B	C
0603	1.0	1.95	0.65
0805	1.8	2.8	0.8
1008	2.5	3.3	1.3
1206	1.95	3.8	1.8
1210	2.7	4.4	2.1

Specification	F
Inductance range	0.047µH (47nH) to 1000µH (1mH)
Operating temperature range	-40°C to +85°C

Packaging	
Tape	
0603 to 1206	8mm wide, 4mm pitch
1210	12mm wide, 8mm pitch
Reel	180mm dia.

0603F

ORDER CODES

Value (µH)	Tolerance	f_L (MHz)	Q min.	fQ (MHz)	SRF min. (MHz)	DCR max. (Ω)	Rated DC Current (mA)	Order Code
0.047	5%	7.9	12	7.9	1500	0.075	1400	*0603F-047J-01*
0.072	5%	7.9	12	7.9	1400	0.12	1400	*0603F-072J-01*
0.1	5%	7.9	12	7.9	1150	0.13	1400	*0603F-R10J-01*
0.12	5%	7.9	12	7.9	1100	0.15	1400	*0603F-R12J-01*
0.15	5%	7.9	12	7.9	1050	0.15	1300	*0603F-R15J-01*
0.18	5%	7.9	12	7.9	950	0.15	1300	*0603F-R18J-01*
0.22	5%	7.9	12	7.9	800	0.16	950	*0603F-R22J-01*
0.24	5%	7.9	12	7.9	800	0.16	950	*0603F-R24J-01*
0.27	5%	7.9	12	7.9	775	0.30	710	*0603F-R27J-01*
0.33	5%	7.9	12	7.9	725	0.46	560	*0603F-R33J-01*
0.39	5%	7.9	12	7.9	620	0.51	500	*0603F-R39J-01*
0.47	5%	7.9	12	7.9	540	0.62	420	*0603F-R47J-01*
0.56	5%	7.9	12	7.9	525	0.44	550	*0603F-R56J-01*
0.68	5%	7.9	12	7.9	260	0.52	470	*0603F-R68J-01*
0.78	5%	7.9	12	7.9	460	0.69	390	*0603F-R78J-01*
0.82	5%	7.9	12	7.9	410	0.83	400	*0603F-R82J-01*
1.0	5%	7.9	12	7.9	280	1.1	400	*0603F-1R0J-01*
1.5	5%	7.9	12	7.9	230	1.7	350	*0603F-1R5J-01*
2.2	5%	7.9	12	7.9	140	2.0	320	*0603F-2R2J-01*

Fastron type F continued overleaf > > > >

+44 (0)1945 47 47 47 www.anglia.com info@anglia.com 15

continuation

0805F

ORDER CODES

Value (µH)	Tolerance	fL (MHz)	Q min.	fQ (MHz)	SRF min. (MHz)	DCR max. (Ω)	Rated DC Current (mA)	Order Code
0.68	5%	25.2	18	7.9	350	0.5	450	*0805F-R68J-01*
0.82	5%	25.2	18	7.9	350	0.55	400	*0805F-R82J-01*
1.0	5%	7.9	20	7.9	350	0.5	250	*0805F-1R0J-01*
1.2	5%	7.9	20	7.9	300	0.65	220	*0805F-1R2J-01*
1.5	5%	7.9	20	7.9	250	0.75	200	*0805F-1R5J-01*
1.8	5%	7.9	20	7.9	200	0.85	190	*0805F-1R8J-01*
2.2	5%	7.9	20	7.9	200	1.7	130	*0805F-2R2J-01*
2.7	5%	7.9	20	7.9	200	2.0	120	*0805F-2R7J-01*
3.3	5%	7.9	20	7.9	200	3.3	100	*0805F-3R3J-01*
3.9	5%	7.9	20	7.9	150	3.6	95	*0805F-3R9J-01*
4.7	5%	7.9	20	7.9	150	3.8	90	*0805F-4R7J-01*
5.6	5%	7.9	20	7.9	80	2.8	175	*0805F-5R6J-01*
6.2	5%	7.9	20	7.9	70	3.0	165	*0805F-6R2J-01*
6.8	5%	7.9	20	7.9	65	3.1	160	*0805F-6R8J-01*
7.5	5%	7.9	20	7.9	60	3.4	160	*0805F-7R5J-01*
8.2	5%	7.9	20	7.9	55	3.7	160	*0805F-8R2J-01*
9.1	5%	7.9	20	7.9	50	3.7	150	*0805F-9R1J-01*
10	5%	7.9	20	7.9	45	3.8	150	*0805F-100J-01*
12	5%	7.9	18	7.9	25	4.2	150	*0805F-120J-01*
15	5%	7.9	18	7.9	25	5.0	150	*0805F-150J-01*
22	5%	7.9	15	7.9	30	6.0	97	*0805F-220J-01*

1008F

ORDER CODES

Value (µH)	Tolerance	fL (MHz)	Q min.	fQ (MHz)	SRF min. (MHz)	DCR max. (Ω)	Rated DC Current (mA)	Order Code
1.0	5%	7.9	15	7.9	190	0.32	500	*1008F-1R0J-01*
1.2	5%	7.9	25	7.9	210	0.68	650	*1008F-1R2J-01*
1.5	5%	7.9	25	7.9	190	0.76	630	*1008F-1R5J-01*
1.8	5%	7.9	25	7.9	170	0.84	600	*1008F-1R8J-01*
2.2	5%	7.9	25	7.9	150	1.10	520	*1008F-2R2J-01*
2.7	5%	7.9	25	7.9	135	1.28	490	*1008F-2R7J-01*
3.3	5%	7.9	25	7.9	120	1.46	450	*1008F-3R3J-01*
3.9	5%	7.9	25	7.9	105	1.56	420	*1008F-3R9J-01*
4.7	5%	7.9	25	7.9	90	1.68	400	*1008F-4R7J-01*
5.6	5%	7.9	25	7.9	80	1.82	380	*1008F-5R6J-01*
6.8	5%	7.9	25	7.9	70	2.0	360	*1008F-6R8J-01*
8.2	5%	7.9	25	7.9	65	2.65	330	*1008F-8R2J-01*
10	5%	7.9	25	7.9	60	2.95	300	*1008F-100J-01*
12	5%	2.5	24	7.9	40	4.8	280	*1008F-120J-01*
15	5%	2.5	23	7.9	35	5.0	260	*1008F-150J-01*
18	5%	2.5	23	7.9	35	5.8	220	*1008F-180J-01*
22	5%	2.5	22	7.9	30	6.8	200	*1008F-220J-01*
27	5%	2.5	22	7.9	30	7.7	190	*1008F-270J-01*
33	5%	2.5	22	7.9	27	8.9	180	*1008F-330J-01*
39	5%	2.5	20	7.9	20	9.2	190	*1008F-390J-01*
47	5%	2.5	21	7.9	20	11	150	*1008F-470J-01*

1206F

ORDER CODES

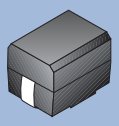
Value (µH)	Tolerance	fL (MHz)	Q min.	fQ (MHz)	SRF min. (MHz)	DCR max. (Ω)	Rated DC Current (mA)	Order Code
1.5	5%	7.9	25	7.9	240	1.2	320	*1206F-1R5J-01*
1.8	5%	7.9	25	7.9	200	1.2	320	*1206F-1R8J-01*
2.2	5%	7.9	25	7.9	200	1.3	300	*1206F-2R2J-01*
2.7	5%	7.9	25	7.9	190	1.4	300	*1206F-2R7J-01*
3.3	5%	7.9	25	7.9	160	1.5	280	*1206F-3R3J-01*
3.9	5%	7.9	25	7.9	160	1.9	280	*1206F-3R9J-01*
4.7	5%	7.9	25	7.9	140	2.2	280	*1206F-4R7J-01*
5.6	5%	7.9	25	7.9	120	2.4	260	*1206F-5R6J-01*
6.8	5%	7.9	25	7.9	110	2.8	240	*1206F-6R8J-01*
8.2	5%	7.9	25	7.9	100	3.1	220	*1206F-8R2J-01*
10	5%	7.9	25	7.9	100	4.0	200	*1206F-100J-01*
12	5%	2.5	18	2.5	90	4.6	200	*1206F-120J-01*
15	5%	2.5	16	2.5	75	8.2	160	*1206F-150J-01*
18	5%	2.5	16	2.5	75	9.0	130	*1206F-180J-01*
47	5%	2.5	18	2.5	25	11.1	80	*1208F-470J-01*
100	5%	2.5	18	2.5	23	23.5	80	*1208F-101J-01*

continuation

1210F

ORDER CODES

Value (µH)	Tolerance	f_L (MHz)	Q min.	fQ (MHz)	SRF min. (MHz)	DCR max. (Ω)	Rated DC Current (mA)	Order Code
0.1	5%	1	40	25	375	0.15	1131	*1210F-R10J-01*
1.0	5%	1	30	7.96	200	0.28	600	*1210F-1R0J-01*
1.2	5%	1	30	7.96	200	0.32	560	*1210F-1R2J-01*
1.5	5%	1	30	7.96	200	0.34	535	*1210F-1R5J-01*
1.8	5%	1	30	7.96	150	0.41	490	*1210F-1R8J-01*
2.2	5%	1	30	7.96	150	0.43	480	*1210F-2R2J-01*
2.7	5%	1	30	7.96	150	0.49	450	*1210F-2R7J-01*
3.3	5%	1	30	7.96	90	0.55	425	*1210F-3R3J-01*
3.9	5%	1	30	7.96	80	0.59	410	*1210F-3R9J-01*
4.7	5%	1	30	7.96	70	0.65	390	*1210F-4R7J-01*
5.9	5%	1	30	7.96	40	0.71	375	*1210F-5R6J-01*
6.8	5%	1	27	7.96	28	0.78	360	*1210F-6R8J-01*
8.2	5%	1	27	7.96	25	0.92	330	*1210F-8R2J-01*
10	5%	1	27	2.52	15	0.98	320	*1210F-100J-01*
12	5%	0.1	27	2.52	13	1.10	300	*1210F-120J-01*
15	5%	0.1	27	2.52	12	1.25	280	*1210F-150J-01*
18	5%	0.1	27	2.52	11	1.35	270	*1210F-180J-01*
22	5%	0.1	27	2.52	10	1.45	260	*1210F-220J-01*
27	5%	0.1	26	2.52	9	1.65	245	*1210F-270J-01*
33	5%	0.1	25	2.52	8	1.85	230	*1210F-330J-01*
39	5%	0.1	25	2.52	7	2.05	220	*1210F-390J-01*
47	5%	0.1	25	2.52	6.5	2.3	210	*1210F-470J-01*
56	5%	0.1	24	2.52	6.0	2.5	200	*1210F-560J-01*
68	5%	0.1	23	2.52	5.5	2.8	190	*1210F-680J-01*
82	5%	0.1	22	2.52	5.0	3.2	175	*1210F-820J-01*
100	5%	0.1	22	2.52	4.5	4.7	145	*1210F-101J-01*
120	5%	0.1	30	0.796	4.2	5.2	140	*1210F-121J-01*
150	5%	0.1	30	0.796	4.0	6.1	130	*1210F-151J-01*
180	5%	0.1	27	0.796	3.6	6.9	120	*1210F-181J-01*
220	5%	0.1	25	0.796	3.3	7.5	115	*1210F-221J-01*
270	5%	0.1	23	0.796	3.0	12.5	90	*1210F-271J-01*
330	5%	0.1	23	0.796	2.8	14.1	85	*1210F-331J-01*
390	5%	0.1	23	0.796	2.5	15.3	80	*1210F-391J-01*
470	5%	0.1	22	0.796	2.3	20.5	75	*1210F-471J-01*
560	5%	0.1	22	0.796	2.2	23	70	*1210F-561J-01*
680	5%	0.1	22	0.796	1.9	25	65	*1210F-681J-01*
820	5%	0.1	20	0.796	1.7	28	60	*1210F-821J-01*
1000	5%	0.1	18	0.796	1.6	32	55	*1210F-102J-01*



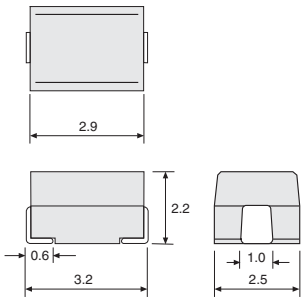
Magnetix types CM32 & CM45

A range of general purpose, surface mount inductors, constructed using miniaturised wirewound technology. Fully encapsulated in a robust epoxy novolac moulding, suitable for wave and reflow soldering. Supplied taped and reeled.

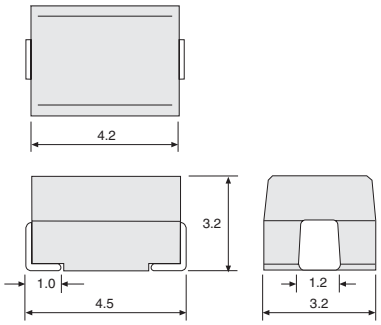
- Inductance values from **0.1µH to 1000µH**
- Chip sizes **1210** & **1812**
- General purpose
- **Wirewound construction**
- Other inductance values available to order
- Suitable for wave & reflow soldering
- Supplied taped & reeled

Dimensions (mm)

CM32 (1210)



CM45 (1812)



Specification	CM32 & CM45
Inductance range	0.1µH (100nH) to 1000µH (1mH)
Temperature rise	20°C max.
Ambient temperature	80°C max.
Operating temperature range	-20°C to +100°C

Packaging	
Tape	1210: 8mm wide, 4mm pitch
	1812: 12mm wide, 18mm pitch
Reel	178mm dia.

1210 size, type CM32

ORDER CODES

Value (µH)	Tolerance	Q min.	Test Frequency (MHz)	SRF min. (MHz)	R_{dc} max. (Ω)	I_{dc} max. (mA)	Order Code
0.15	20%	30	25.2	450	0.25	450	***CH151***
0.22	20%	30	25.2	350	0.32	450	***CH221***
0.33	20%	30	25.2	300	0.40	450	***CH331***
0.47	20%	30	25.2	220	0.50	450	***CH471***
0.68	20%	30	25.2	160	0.60	450	***CH681***
1.0	10%	30	7.96	120	0.70	400	***CL102***
1.5	10%	30	7.96	85	0.85	370	***CL152***
2.2	10%	30	7.96	75	1.0	320	***CL222***
3.3	10%	30	7.96	60	1.2	260	***CL332***
4.7	10%	30	7.96	50	1.5	220	***CL472***
6.8	10%	30	7.96	43	1.8	180	***CL682***
10	10%	30	2.52	36	2.1	150	***CL103***
15	10%	30	2.52	28	2.8	130	***CL153***
22	10%	30	2.52	23	3.7	110	***CL223***
33	10%	30	2.52	17	5.6	70	***CL333***
47	10%	30	2.52	15	7.0	60	***CL473***
68	10%	30	2.52	12	9.0	50	***CL683***
100	10%	20	0.796	10	11.0	40	***CL104***

1812 size, type CM45

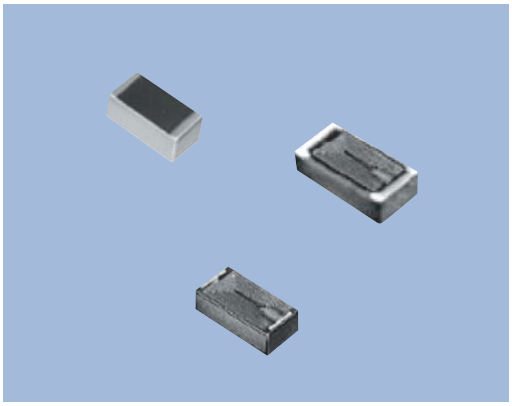
ORDER CODES

Value (µH)	Tolerance	Q min.	Test Frequency (MHz)	SRF min. (MHz)	R_{dc} max. (Ω)	I_{dc} max. (mA)	Order Code
0.1	20%	35	25.2	300	0.18	800	***CS101***
0.15	20%	35	25.2	250	0.22	730	***CS151***
0.22	20%	40	25.2	200	0.25	665	***CS221***
0.33	20%	40	25.2	165	0.28	605	***CS331***
0.47	20%	40	25.2	145	0.32	545	***CS471***
0.68	20%	40	25.2	135	0.40	500	***CS681***
1.0	10%	50	7.96	100	0.50	450	***CR102***
1.5	10%	50	7.96	70	0.60	410	***CR152***
2.2	10%	50	7.96	55	0.70	380	***CR222***
3.3	10%	50	7.96	45	0.80	355	***CR332***
4.7	10%	50	7.96	35	1.0	315	***CR472***
6.8	10%	50	7.96	27	1.2	285	***CR682***
10	10%	50	2.52	20	1.6	250	***CR103***
15	10%	50	2.52	17	2.5	200	***CR153***
22	10%	50	2.52	13	3.2	180	***CR223***
33	10%	50	2.52	11	4.0	160	***CR333***
47	10%	50	2.52	10	5.0	140	***CR473***
68	10%	50	2.52	9.0	6.0	130	***CR683***
100	10%	40	0.796	8.0	8.0	110	***CR104***
150	10%	40	0.796	5.0	9.0	105	***CR154***
220	10%	40	0.796	4.0	10	100	***CR224***
330	10%	40	0.796	3.5	14	85	***CR334***
470	10%	40	0.796	3.0	26	62	***CR474***
680	10%	30	0.796	3.0	30	50	***CR684***
1000	10%	20	0.252	2.5	40	30	***CR105***

INDUCTANCE CONVERSION GUIDE

Nano-Henry (nH)	Micro-Henry (µH)
1.0	0.001
1.5	0.0015
2.2	0.0022
3.3	0.0033
4.7	0.0047
6.8	0.0068
10	0.01
15	0.015
22	0.022
33	0.033
47	0.047
68	0.068
100	0.1
150	0.15
220	0.22
330	0.33
470	0.47
680	0.68
1000	1.0
1500	1.5
2200	2.2
3300	3.3
4700	4.7
6800	6.8

Micro-Henry (µH)	Milli-Henry (mH)
10	0.01
15	0.015
22	0.022
33	0.033
47	0.047
68	0.068
100	0.1
150	0.15
220	0.22
330	0.33
470	0.47
680	0.68
1000	1.0
1500	1.5
2200	2.2
3300	3.3
4700	4.7
6800	6.8
10000	10



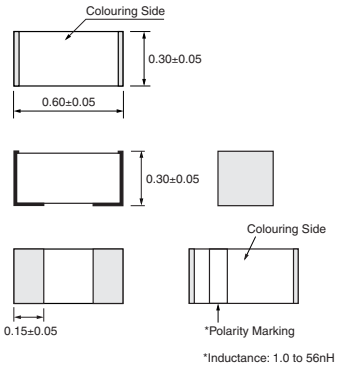
MURATA type LQP Series

A range of film type inductors, ideal for high frequency applications. Miniature case sizes assist in downsizing equipment whilst offering easy impedance matching due to the small steps in inductance value. Supplied taped and reeled.

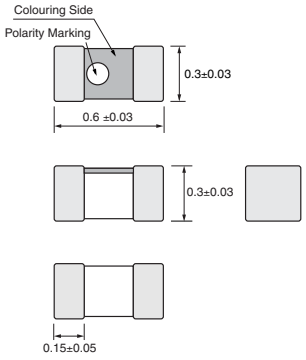
- Inductance values from **0.6nH to 120nH**
- Miniature chip sizes from **0201 to 0603**
- **Film type**
- High Q values
- Supplied taped & reeled

Dimensions (mm)

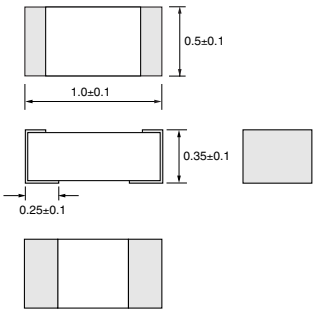
LQP03T-00 (0201)



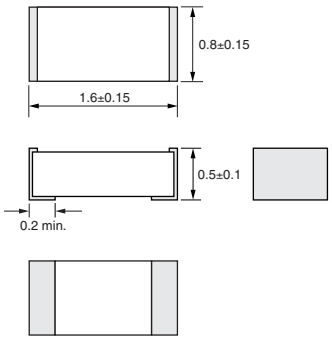
LQP03T-02 (0201)



LQP15M (0402)



LQP18M (0603)



Specification	LQP
Inductance range	0.6nH to 120nH
Inductance tolerance	As listed (other tolerances available to order)
Operating temperature range	-40°C to +85°C

Packaging	
Tape	8mm wide, 2mm pitch
Reel	180mm dia.

0201 size, type LQP03T-00/02

ORDER CODES

Value (nH)	Tolerance	Q min.	Test Frequency (MHz)	SRF min. (MHz)	DC Resistance max. (Ω)	Current Rating (mA)	Order Code
0.6	0.1nH	13	500	6000	0.08	420	LQP03TN0N6B00D
0.7	0.1nH	13	500	6000	0.09	410	LQP03TN0N7B00D
0.8	0.1nH	13	500	6000	0.09	410	LQP03TN0N8B00D
0.9	0.1nH	13	500	6000	0.10	400	LQP03TN0N9B00D
1.0	0.1nH	13	500	6000	0.10	400	LQP03TN1N0B00D
1.1	0.1nH	13	500	6000	0.13	280	LQP03TN1N1B00D
1.2	0.1nH	13	500	6000	0.13	280	LQP03TN1N2B00D
1.3	0.1nH	13	500	6000	0.16	280	LQP03TN1N3B00D
1.4	0.1nH	13	500	6000	0.16	280	LQP03TN1N4B00D
1.5	0.1nH	13	500	6000	0.16	280	LQP03TN1N5B00D
1.6	0.1nH	13	500	6000	0.16	280	LQP03TN1N6B00D
1.7	0.1nH	13	500	6000	0.16	280	LQP03TN1N7B00D
1.8	0.1nH	13	500	6000	0.16	280	LQP03TN1N8B00D
1.9	0.1nH	13	500	6000	0.18	220	LQP03TN1N9B00D
2.0	0.1nH	13	500	6000	0.18	220	LQP03TN2N0B00D
2.1	0.1nH	13	500	6000	0.18	220	LQP03TN2N1B00D
2.2	0.1nH	13	500	6000	0.18	220	LQP03TN2N2B00D
2.3	0.1nH	13	500	6000	0.21	220	LQP03TN2N3B00D
2.4	0.1nH	13	500	6000	0.21	220	LQP03TN2N4B00D
2.5	0.1nH	13	500	6000	0.21	220	LQP03TN2N5B00D
2.6	0.1nH	13	500	6000	0.21	220	LQP03TN2N6B00D
2.7	0.1nH	13	500	6000	0.21	220	LQP03TN2N7B00D
2.8	0.1nH	13	500	6000	0.21	220	LQP03TN2N8B00D
2.9	0.1nH	13	500	6000	0.21	220	LQP03TN2N9B00D
3.0	0.1nH	13	500	6000	0.30	190	LQP03TN3N0B00D
3.1	0.1nH	13	500	6000	0.30	190	LQP03TN3N1B00D
3.2	0.1nH	13	500	6000	0.30	190	LQP03TN3N2B00D
3.3	0.1nH	13	500	6000	0.30	190	LQP03TN3N3B00D
3.4	0.1nH	13	500	6000	0.30	190	LQP03TN3N4B00D
3.5	0.1nH	13	500	6000	0.30	190	LQP03TN3N5B00D
3.6	0.1nH	13	500	6000	0.45	170	LQP03TN3N6B00D
3.7	0.1nH	13	500	6000	0.45	170	LQP03TN3N7B00D
3.8	0.1nH	13	500	6000	0.45	170	LQP03TN3N8B00D
3.9	0.1nH	13	500	6000	0.45	170	LQP03TN3N9B00D
4.3	3%	13	500	6000	0.55	160	LQP03TN4N3H00D
4.7	3%	13	500	6000	0.55	160	LQP03TN4N7H00D
5.1	3%	13	500	6000	0.68	140	LQP03TN5N1H00D
5.6	3%	13	500	6000	0.68	140	LQP03TN5N6H00D
6.2	3%	13	500	6000	0.75	130	LQP03TN6N2H00D
6.8	3%	13	500	6000	0.75	130	LQP03TN6N8H00D
7.5	3%	13	500	5500	0.86	110	LQP03TN7N5H00D
8.2	3%	13	500	5500	0.86	110	LQP03TN8N2H00D
9.1	3%	13	500	4500	1.10	100	LQP03TN9N1H00D
10	3%	13	500	4500	1.10	100	LQP03TN10NH00D
12	3%	11	500	3700	1.25	90	LQP03TN12NH00D
15	3%	11	500	3300	1.40	90	LQP03TN15NH00D
18	3%	11	500	3100	1.60	80	LQP03TN18NH00D
22	3%	11	500	2800	2.55	70	LQP03TN22NH00D
27	3%	11	500	2500	2.90	70	LQP03TN27NH00D
33	5%	8	300	2000	2.95	60	LQP03TN33NJ00D
39	5%	8	300	1800	3.35	60	LQP03TN39NJ00D
47	5%	8	300	1600	3.60	50	LQP03TN47NJ00D
56	5%	8	300	1400	4.30	50	LQP03TN56NJ00D
68	5%	8	300	1100	8.0	50	LQP03TN68NJ02D
82	5%	8	300	1000	10.0	50	LQP03TN82NJ02D
100	5%	8	300	900	10.0	40	LQP03TNR10J02D
120	5%	8	300	800	12.0	40	LQP03TNR12J02D

FREQUENCY CONVERSION GUIDE

MHz	GHz
1000	1.0
1500	1.5
2500	2.5
4500	4.5
6000	6.0
10000	10.0
15000	15.0

0402 size, type LQP15M

continuation

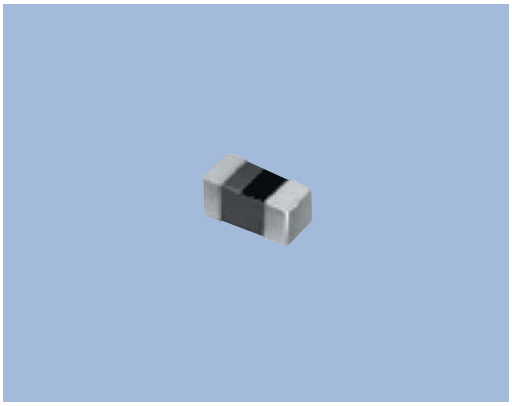
ORDER CODES

Value (nH)	Tolerance	Q min.	Test Frequency (MHz)	SRF min. (MHz)	DC Resistance max. (Ω)	Current Rating (mA)	Order Code
1.0	0.1nH	13	500	6000	0.1	400	LQP15MN1N0B02D
1.1	0.1nH	13	500	6000	0.1	390	LQP15MN1N1B02D
1.2	0.1nH	13	500	6000	0.1	390	LQP15MN1N2B02D
1.3	0.1nH	13	500	6000	0.2	280	LQP15MN1N3B02D
1.4	0.05nH	13	500	6000	0.2	280	LQP15MN1N4W02D
1.5	0.05nH	13	500	6000	0.2	280	LQP15MN1N5W02D
1.6	0.05nH	13	500	6000	0.3	220	LQP15MN1N6W02D
1.7	0.05nH	13	500	6000	0.2	280	LQP15MN1N7W02D
1.8	0.05nH	13	500	6000	0.2	280	LQP15MN1N8W02D
1.9	0.05nH	13	500	6000	0.3	220	LQP15MN1N9W02D
2.0	0.05nH	13	500	6000	0.3	220	LQP15MN2N0W02D
2.1	0.05nH	13	500	6000	0.3	220	LQP15MN2N1W02D
2.2	0.05nH	13	500	6000	0.3	220	LQP15MN2N2W02D
2.3	0.05nH	13	500	6000	0.3	220	LQP15MN2N3W02D
2.4	0.05nH	13	500	6000	0.3	220	LQP15MN2N4W02D
2.5	0.05nH	13	500	6000	0.3	220	LQP15MN2N5W02D
2.6	0.05nH	13	500	6000	0.3	220	LQP15MN2N6W02D
2.7	0.05nH	13	500	6000	0.3	220	LQP15MN2N7W02D
2.8	0.05nH	13	500	6000	0.4	190	LQP15MN2N8W02D
2.9	0.05nH	13	500	6000	0.4	190	LQP15MN2N9W02D
3.0	0.05nH	13	500	6000	0.4	190	LQP15MN3N0W02D
3.1	0.05nH	13	500	6000	0.4	190	LQP15MN3N1W02D
3.2	0.05nH	13	500	6000	0.4	190	LQP15MN3N2W02D
3.3	0.05nH	13	500	6000	0.4	190	LQP15MN3N3W02D
3.4	0.05nH	13	500	6000	0.5	170	LQP15MN3N4W02D
3.5	0.05nH	13	500	6000	0.5	170	LQP15MN3N5W02D
3.6	0.05nH	13	500	6000	0.5	170	LQP15MN3N6W02D
3.7	0.05nH	13	500	6000	0.5	170	LQP15MN3N7W02D
3.8	0.05nH	13	500	6000	0.5	170	LQP15MN3N8W02D
3.9	0.05nH	13	500	6000	0.5	170	LQP15MN3N9W02D
4.3	0.1nH	13	500	6000	0.6	160	LQP15MN4N3B02D
4.7	0.1nH	13	500	6000	0.6	160	LQP15MN4N7B02D
5.1	0.1nH	13	500	6000	0.7	140	LQP15MN5N1B02D
5.6	0.1nH	13	500	6000	0.7	140	LQP15MN5N6B02D
6.2	0.1nH	13	500	6000	0.9	130	LQP15MN6N2B02D
6.8	0.1nH	13	500	6000	0.9	130	LQP15MN6N8B02D
7.5	0.1nH	13	500	5500	1.1	110	LQP15MN7N5B02D
8.2	0.1nH	13	500	5500	1.1	110	LQP15MN8N2B02D
9.1	0.1nH	13	500	4500	1.3	100	LQP15MN9N1B02D
10	2%	13	500	4500	1.3	100	LQP15MN10NG02D
12	2%	13	500	3700	1.6	90	LQP15MN12NG02D
15	2%	13	500	3300	1.8	90	LQP15MN15NG02D
18	2%	13	500	3100	2.0	80	LQP15MN18NG02D
22	2%	13	500	2800	2.6	70	LQP15MN22NG02D
27	2%	13	500	2500	3.1	70	LQP15MN27NG02D
33	2%	13	500	2100	3.8	60	LQP15MN33NG02D

0603 size, type LQP18M

ORDER CODES

Value (nH)	Tolerance	Q min.	Test Frequency (MHz)	SRF min. (MHz)	DC Resistance max. (Ω)	Current Rating (mA)	Order Code
1.3	0.2nH	17	500	6000	0.3	300	LQP18MN1N3C02D
1.5	0.2nH	17	500	6000	0.3	300	LQP18MN1N5C02D
1.8	0.2nH	17	500	6000	0.4	250	LQP18MN1N8C02D
2.2	0.2nH	17	500	6000	0.4	250	LQP18MN2N2C02D
2.7	0.2nH	17	500	6000	0.4	250	LQP18MN2N7C02D
3.3	0.2nH	17	500	6000	0.4	250	LQP18MN3N3C02D
3.9	0.2nH	17	500	5900	0.5	200	LQP18MN3N9C02D
4.7	0.2nH	17	500	5200	0.5	200	LQP18MN4N7C02D
5.6	0.2nH	17	500	4700	0.6	200	LQP18MN5N6C02D
6.8	0.2nH	17	500	4300	0.7	200	LQP18MN6N8C02D
8.2	0.2nH	17	500	3600	0.8	150	LQP18MN8N2C02D
10	2%	17	500	3400	1.0	150	LQP18MN10NG02D
12	2%	17	500	3000	1.0	150	LQP18MN12NG02D
15	2%	17	500	2700	1.3	150	LQP18MN15NG02D
18	2%	17	500	2300	1.5	100	LQP18MN18NG02D
22	2%	17	500	2100	1.9	100	LQP18MN22NG02D
27	2%	17	500	1900	2.4	100	LQP18MN27NG02D
33	2%	17	500	1700	2.8	100	LQP18MN33NG02D
39	2%	17	500	1400	2.8	100	LQP18MN39NG02D
47	2%	17	300	1200	2.2	100	LQP18MN47NG02D
56	2%	17	300	1000	3.4	50	LQP18MN56NG02D
68	2%	17	300	900	3.5	50	LQP18MN68NG02D
82	2%	17	300	800	4.6	50	LQP18MN82NG02D
100	2%	17	300	700	6.1	50	LQP18MNR10G02D



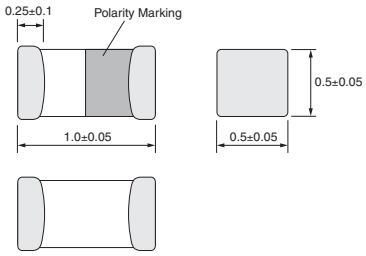
MURATA type LQGxxH Series

The LQG15H series is an excellent range of inductors for the automotive industry where the lowest DC resistance has been achieved, while the LQG18H series is ideal for the hand held application market. Both series offer excellent Q at high frequencies and maintain stable inductance. Supplied taped and reeled.

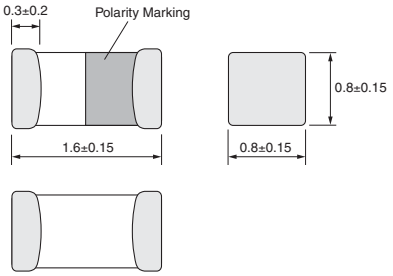
- Inductance values from **1nH to 270nH**
- Chip sizes **0402** & **0603**
- High Q value
- Stable inductance at high frequency
- **Monolithic construction**
- Nickel barrier structure
- Supplied taped & reeled

Dimensions (mm)

LQG15H (0402)



LQG18H (0603)



Specification	LQGxxH
Inductance range	1nH to 270nH
Inductance tolerance	As listed
Operating temperature range	LQG15H -55°C to +125°C
	LQG18H -40°C to +85°C

Packaging		
Tape		
	0402	8mm wide, 2mm pitch
	0603	8mm wide, 4mm pitch
Reel		180mm dia.

LQGxxH Series continued overleaf > > > >

+44 (0)1945 47 47 47 www.anglia.com info@anglia.com

0402 size, type LQG15H

continuation

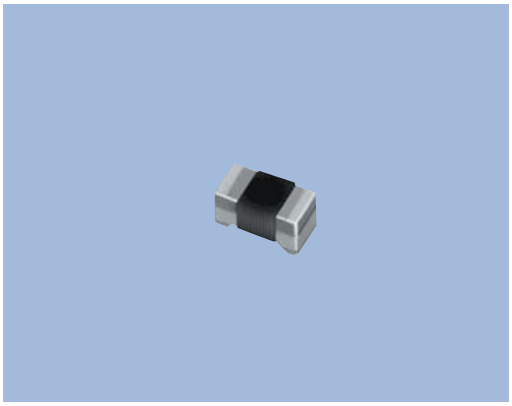
ORDER CODES

Value (nH)	Tolerance	Q min.	Test Frequency (MHz)	SRF min. (MHz)	DC Resistance max. (Ω)	Current Rating (mA)	Order Code
1.0	0.3nH	8	100	10000	0.07	300	LQG15HH1N0S02D
1.1	0.3nH	8	100	6000	0.09	300	LQG15HH1N1S02D
1.2	0.3nH	8	100	6000	0.09	300	LQG15HH1N2S02D
1.3	0.3nH	8	100	6000	0.09	300	LQG15HH1N3S02D
1.5	0.3nH	8	100	6000	0.10	300	LQG15HH1N5S02D
1.6	0.3nH	8	100	6000	0.10	300	LQG15HH1N6S02D
1.8	0.3nH	8	100	6000	0.10	300	LQG15HH1N8S02D
2.0	0.3nH	8	100	6000	0.10	300	LQG15HH2N0S02D
2.2	0.3nH	8	100	6000	0.12	300	LQG15HH2N2S02D
2.4	0.3nH	8	100	6000	0.15	300	LQG15HH2N4S02D
2.7	0.3nH	8	100	6000	0.15	300	LQG15HH2N7S02D
3.0	0.3nH	8	100	6000	0.17	300	LQG15HH3N0S02D
3.3	0.3nH	8	100	6000	0.17	300	LQG15HH3N3S02D
3.6	0.3nH	8	100	6000	0.18	300	LQG15HH3N6S02D
3.9	0.3nH	8	100	6000	0.18	300	LQG15HH3N9S02D
4.3	0.3nH	8	100	6000	0.18	300	LQG15HH4N3S02D
4.7	0.3nH	8	100	6000	0.18	300	LQG15HH4N7S02D
5.1	0.3nH	8	100	5300	0.20	300	LQG15HH5N1S02D
5.6	0.3nH	8	100	4500	0.20	300	LQG15HH5N6S02D
6.2	0.3nH	8	100	4500	0.22	300	LQG15HH6N2S02D
6.8	5%	8	100	4500	0.24	300	LQG15HH6N8J02D
7.5	5%	8	100	4200	0.24	300	LQG15HH7N5J02D
8.2	5%	8	100	3700	0.24	300	LQG15HH8N2J02D
9.1	5%	8	100	3400	0.26	300	LQG15HH9N1J02D
10	5%	8	100	3400	0.26	300	LQG15HH10NJ02D
12	5%	8	100	3000	0.28	300	LQG15HH12NJ02D
15	5%	8	100	2500	0.32	300	LQG15HH15NJ02D
18	5%	8	100	2200	0.36	300	LQG15HH18NJ02D
22	5%	8	100	1900	0.42	300	LQG15HH22NJ02D
27	5%	8	100	1700	0.46	300	LQG15HH27NJ02D
33	5%	8	100	1600	0.58	200	LQG15HH33NJ02D
39	5%	8	100	1200	0.65	200	LQG15HH39NJ02D
47	5%	8	100	1000	0.72	200	LQG15HH47NJ02D
56	5%	8	100	800	0.82	200	LQG15HH56NJ02D
68	5%	8	100	800	0.92	180	LQG15HH68NJ02D
82	5%	8	100	700	1.20	150	LQG15HH82NJ02D
100	5%	8	100	600	1.25	150	LQG15HHR10J02D
120	5%	8	100	600	1.30	150	LQG15HHR12J02D
150	5%	8	100	550	2.99	140	LQG15HHR15J02D
180	5%	8	100	500	3.38	130	LQG15HHR18J02D
220	5%	8	100	450	3.77	120	LQG15HHR22J02D
270	5%	8	100	400	4.94	110	LQG15HHR27J02D

0603 size, type LQG18H

ORDER CODES

Value (nH)	Tolerance	Q min.	Test Frequency (MHz)	SRF min. (MHz)	DC Resistance max. (Ω)	Current Rating (mA)	Order Code
1.2	0.3nH	12	100	6000	0.10	500	LQG18HN1N2S00D
1.5	0.3nH	12	100	6000	0.10	500	LQG18HN1N5S00D
1.8	0.3nH	12	100	6000	0.10	500	LQG18HN1N8S00D
2.2	0.3nH	12	100	6000	0.10	500	LQG18HN2N2S00D
2.7	0.3nH	12	100	6000	0.15	500	LQG18HN2N7S00D
3.3	0.3nH	12	100	6000	0.15	500	LQG18HN3N3S00D
3.9	0.3nH	12	100	6000	0.15	450	LQG18HN3N9S00D
4.7	0.3nH	12	100	6000	0.20	450	LQG18HN4N7S00D
5.6	0.3nH	12	100	5000	0.20	430	LQG18HN5N6S00D
6.8	5%	12	100	5000	0.25	430	LQG18HN6N8J00D
8.2	5%	12	100	4000	0.25	400	LQG18HN8N2J00D
10	5%	12	100	3500	0.30	400	LQG18HN10NJ00D
12	5%	12	100	3000	0.35	400	LQG18HN12NJ00D
15	5%	12	100	2800	0.40	350	LQG18HN15NJ00D
18	5%	12	100	2600	0.45	350	LQG18HN18NJ00D
22	5%	12	100	2300	0.50	300	LQG18HN22NJ00D
27	5%	12	100	2000	0.55	300	LQG18HN27NJ00D
33	5%	12	100	1700	0.60	300	LQG18HN33NJ00D
39	5%	12	100	1500	0.65	300	LQG18HN39NJ00D
47	5%	12	100	1200	0.70	300	LQG18HN47NJ00D
56	5%	12	100	1100	0.75	300	LQG18HN56NJ00D
68	5%	12	100	1000	0.80	300	LQG18HN68NJ00D
82	5%	12	100	900	0.85	300	LQG18HN82NJ00D
100	5%	12	100	800	0.90	300	LQG18HNR10J00D



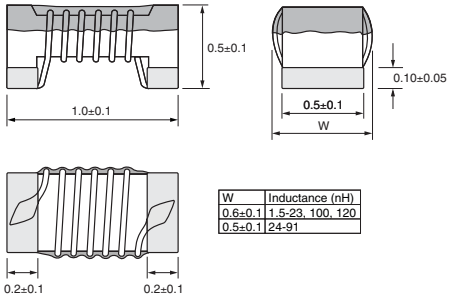
MURATA type LQWxxA Series

A range of horizontal wirewound inductors with a wide variation of inductance values. A low DC resistance design enables high output and low power consumption. Closer tolerances are available on most values. Supplied taped and reeled.

- Inductance values from **1.5nH to 470nH**
- Chip sizes **0402** & **0603**
- Low DC resistance
- Low power consumption
- **Wirewound construction**
- Choice of closer tolerances available to order on most values
- Supplied taped & reeled

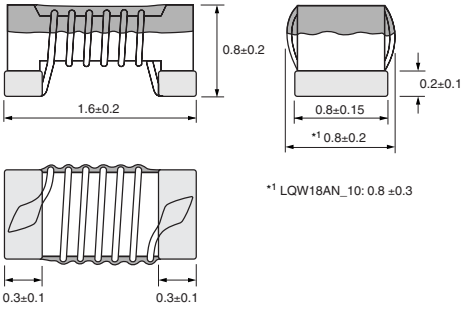
Dimensions (mm)

LQW15A (0402)



W	Inductance (nH)
0.6±0.1	1.5-23, 100, 120
0.5±0.1	24-91

LQW18A (0603)



*1 LQW18AN_10: 0.8 ±0.3

Specification	LQWxxA
Inductance range	1.5nH to 470nH
Inductance tolerance	0.5nH (0.1nH & 0.2nH available to order), or 5% (2% & 3% available to order)
Operating temperature range	-55°C to +125°C

Packaging		
Tape		
	0402	8mm wide, 2mm pitch
	0603	8mm wide, 4mm pitch
Reel		180mm dia.

INDUCTANCE CONVERSION GUIDE

Nano-Henry (nH)	Micro-Henry (µH)
1.0	0.001
1.5	0.0015
2.2	0.0022
3.3	0.0033
4.7	0.0047
6.8	0.0068
10	0.01
15	0.015
22	0.022
33	0.033
47	0.047
68	0.068
100	0.1
150	0.15
220	0.22
330	0.33
470	0.47
680	0.68
1000	1.0
1500	1.5
2200	2.2
3300	3.3
4700	4.7
6800	6.8

LQWxxA Series continued overleaf > > > >

continuation

0402 size, type LQW15A

ORDER CODES

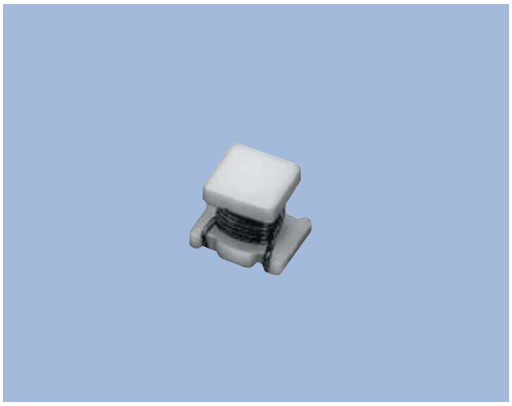
Value (nH)	Tolerance	Test Frequency (MHz)	Q min.	Test Frequency (MHz)	SRF min. (MHz)	DC Resistance max. (Ω)	Current Rating (mA)	Order Code
1.5	0.5nH	100	10	250	18000	0.03	1000	LQW15AN1N5D00D
2.4	0.5nH	100	20	250	15000	0.05	850	LQW15AN2N4D00D
2.5	0.5nH	100	20	250	15000	0.05	850	LQW15AN2N5D00D
2.7	0.5nH	100	20	250	15000	0.05	850	LQW15AN2N7D00D
2.9	0.5nH	100	20	250	15000	0.07	750	LQW15AN2N9D00D
3.9	0.5nH	100	25	250	10000	0.07	750	LQW15AN3N9D00D
4.1	0.5nH	100	25	250	10000	0.07	750	LQW15AN4N1D00D
4.3	0.5nH	100	25	250	10000	0.07	750	LQW15AN4N3D00D
4.7	0.5nH	100	25	250	8000	0.07	750	LQW15AN4N7D00D
5.1	0.5nH	100	25	250	8000	0.12	600	LQW15AN5N1D00D
5.8	0.5nH	100	25	250	8000	0.12	700	LQW15AN5N8D00D
6.2	0.5nH	100	25	250	8000	0.09	700	LQW15AN6N2D00D
6.8	5%	100	25	250	6000	0.09	700	LQW15AN6N8J00D
7.3	5%	100	25	250	6000	0.13	570	LQW15AN7N3J00D
7.5	5%	100	25	250	6000	0.13	570	LQW15AN7N5J00D
8.2	5%	100	25	250	5500	0.14	540	LQW15AN8N2J00D
8.7	5%	100	25	250	5500	0.14	540	LQW15AN8N7J00D
9.1	5%	100	25	250	5500	0.14	540	LQW15AN9N1J00D
9.5	5%	100	25	250	5500	0.14	540	LQW15AN9N5J00D
10	5%	100	25	250	5500	0.17	500	LQW15AN10NJ00D
11	5%	100	30	250	5500	0.14	500	LQW15AN11NJ00D
12	5%	100	30	250	5500	0.14	500	LQW15AN12NJ00D
13	5%	100	25	250	5000	0.21	430	LQW15AN13NJ00D
15	5%	100	30	250	5000	0.16	460	LQW15AN15NJ00D
16	5%	100	25	250	4500	0.24	370	LQW15AN16NJ00D
18	5%	100	25	250	4500	0.27	370	LQW15AN18NJ00D
19	5%	100	25	250	4500	0.27	370	LQW15AN19NJ00D
20	5%	100	25	250	4000	0.27	370	LQW15AN20NJ00D
22	5%	100	25	250	4000	0.30	310	LQW15AN22NJ00D
23	5%	100	25	250	3800	0.30	310	LQW15AN23NJ00D
24	5%	100	25	250	3500	0.52	280	LQW15AN24NJ00D
27	5%	100	25	250	3500	0.52	280	LQW15AN27NJ00D
30	5%	100	25	250	3300	0.58	270	LQW15AN30NJ00D
33	5%	100	25	250	3200	0.63	260	LQW15AN33NJ00D
36	5%	100	25	250	3100	0.63	260	LQW15AN36NJ00D
39	5%	100	25	250	3000	0.70	250	LQW15AN39NJ00D
40	5%	100	25	250	3000	0.70	250	LQW15AN40NJ00D
43	5%	100	25	250	3000	0.70	250	LQW15AN43NJ00D
47	5%	100	25	200	2900	1.08	210	LQW15AN47NJ00D
51	5%	100	25	200	2900	1.08	210	LQW15AN51NJ00D
56	5%	100	25	200	2800	1.17	200	LQW15AN56NJ00D
62	5%	100	20	200	2600	1.82	145	LQW15AN62NJ00D
68	5%	100	20	200	2500	1.96	140	LQW15AN68NJ00D
72	5%	100	20	150	2500	2.10	135	LQW15AN72NJ00D
75	5%	100	20	150	2400	2.10	135	LQW15AN75NJ00D
82	5%	100	20	150	2300	2.24	130	LQW15AN82NJ00D
91	5%	100	20	150	2100	2.38	125	LQW15AN91NJ00D
100	5%	100	20	150	1500	2.52	120	LQW15ANR10J00D
120	5%	100	20	150	1000	2.66	110	LQW15ANR12J00D

FREQUENCY CONVERSION GUIDE	
MHz	GHz
1000	1.0
1500	1.5
2500	2.5
4500	4.5
6000	6.0
10000	10.0
15000	15.0

continuation

0603 size, type LQW18A

ORDER CODES								
Value (nH)	Tolerance	Test Frequency (MHz)	Q min.	Test Frequency (MHz)	SRF min. (MHz)	DC Resistance max. (Ω)	Current Rating (mA)	Order Code
2.2	0.5nH	100	16	100	6000	0.049	700	LQW18AN2N2D00D
3.6	0.5nH	100	25	100	6000	0.059	850	LQW18AN3N6D00D
3.9	0.5nH	100	35	100	6000	0.059	850	LQW18AN3N9D00D
4.3	0.5nH	100	35	100	6000	0.059	850	LQW18AN4N3D00D
4.7	0.5nH	100	35	100	6000	0.059	850	LQW18AN4N7D00D
5.6	0.5nH	100	35	100	6000	0.082	750	LQW18AN5N6D00D
6.2	0.5nH	100	35	100	6000	0.082	750	LQW18AN6N2D00D
6.8	0.5nH	100	35	100	6000	0.082	750	LQW18AN6N8D00D
7.5	0.5nH	100	35	100	6000	0.082	750	LQW18AN7N5D00D
8.2	0.5nH	100	35	100	6000	0.11	650	LQW18AN8N2D00D
8.7	0.5nH	100	35	100	6000	0.11	650	LQW18AN8N7D00D
9.1	0.5nH	100	35	100	6000	0.11	650	LQW18AN9N1D00D
9.5	0.5nH	100	35	100	6000	0.11	650	LQW18AN9N5D00D
10	5%	100	35	100	6000	0.11	650	LQW18AN10NJ00D
11	5%	100	35	100	6000	0.11	650	LQW18AN11NJ00D
12	5%	100	35	100	6000	0.13	600	LQW18AN12NJ00D
13	5%	100	35	100	6000	0.13	600	LQW18AN13NJ00D
15	5%	100	40	100	6000	0.13	600	LQW18AN15NJ00D
16	5%	100	40	100	5500	0.16	550	LQW18AN16NJ00D
18	5%	100	40	100	5500	0.16	550	LQW18AN18NJ00D
20	5%	100	40	100	4900	0.16	550	LQW18AN20NJ00D
22	5%	100	40	100	4600	0.17	500	LQW18AN22NJ00D
24	5%	100	40	100	3800	0.21	500	LQW18AN24NJ00D
27	5%	100	40	100	3700	0.21	440	LQW18AN27NJ00D
30	5%	100	40	100	3300	0.23	420	LQW18AN30NJ00D
33	5%	100	40	100	3200	0.23	420	LQW18AN33NJ00D
36	5%	100	40	100	2900	0.26	400	LQW18AN36NJ00D
39	5%	100	40	100	2800	0.26	400	LQW18AN39NJ00D
43	5%	100	40	100	2700	0.29	380	LQW18AN43NJ00D
47	5%	100	38	100	2600	0.29	380	LQW18AN47NJ00D
51	5%	100	38	100	2500	0.33	370	LQW18AN51NJ00D
56	5%	100	38	100	2400	0.35	360	LQW18AN56NJ00D
62	5%	100	38	100	2300	0.51	280	LQW18AN62NJ00D
68	5%	100	38	100	2200	0.38	340	LQW18AN68NJ00D
72	5%	100	34	100	2100	0.56	270	LQW18AN72NJ00D
75	5%	100	34	100	2050	0.56	270	LQW18AN75NJ00D
82	5%	100	34	100	2000	0.60	250	LQW18AN82NJ00D
91	5%	100	34	100	1900	0.64	230	LQW18AN91NJ00D
100	5%	100	34	100	1800	0.68	220	LQW18ANR10J00D
110	5%	100	32	100	1700	1.2	200	LQW18ANR11J00D
120	5%	100	32	100	1600	1.3	180	LQW18ANR12J00D
130	5%	100	32	100	1450	1.4	170	LQW18ANR13J00D
150	5%	100	32	100	1400	1.5	160	LQW18ANR15J00D
160	5%	100	32	100	1350	2.1	150	LQW18ANR16J00D
180	5%	100	25	100	1300	2.2	140	LQW18ANR18J00D
200	5%	100	25	100	1250	2.4	120	LQW18ANR20J00D
220	5%	100	25	100	1200	2.5	120	LQW18ANR22J00D
270	5%	100	30	100	960	3.4	110	LQW18ANR27J00D
330	5%	100	30	100	800	5.5	85	LQW18ANR33J00D
390	5%	100	30	100	800	6.2	80	LQW18ANR39J00D
470	5%	100	30	100	700	7.0	75	LQW18ANR47J00D



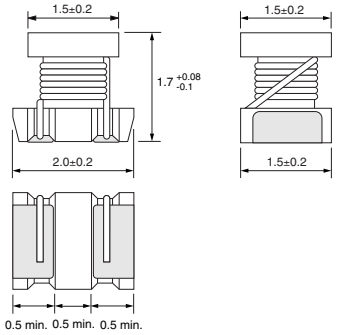
MURATA type LQW2BH (Vertical)

A range of vertical wirewound inductors consisting of an air core using a sub-miniature alumina core as a bobbin. High Q value and highly stable inductance at high frequencies. Supplied taped and reeled.

- Inductance values from **3.3nH to 470nH**
- Chip size **0805**
- High current rating
- **Wirewound construction**
- Closer tolerance available to order
- Suitable for flow and reflow soldering
- Supplied taped & reeled

Dimensions (mm)

LQW2BH (0805)



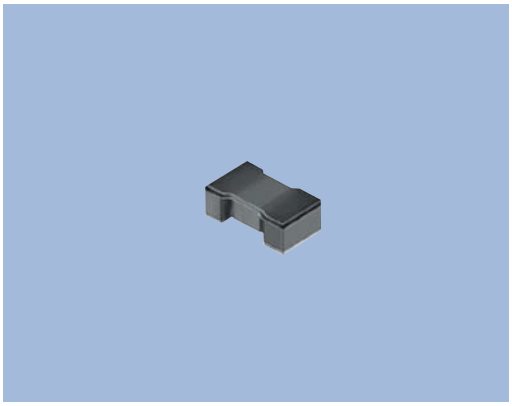
Specification	LQW2BH
Inductance range	3.3nH to 470nH
Tolerance range	As listed (2% available to order)
Operating temperature range	-40°C to +85°C

Packaging	
Tape	8mm wide, 4mm pitch
Reel	180mm dia.

0805 size, type LQW2BH

ORDER CODES

Value (nH)	Tolerance	Test Frequency (MHz)	Q min.	Test Frequency (MHz)	SRF min. (MHz)	DC Resistance max. (Ω)	Current Rating (mA)	Order Code
3.3	0.5nH	100	10	250	6000	0.05	910	LQW2BHN3N3D03L
6.8	0.5nH	100	20	250	5400	0.11	680	LQW2BHN6N8D03L
8.2	0.5nH	100	20	250	3900	0.12	630	LQW2BHN8N2D03L
10	5%	100	30	250	3300	0.03	1320	LQW2BHN10NJ03L
12	5%	100	30	250	3200	0.11	680	LQW2BHN12NJ03L
15	5%	100	30	250	2700	0.12	630	LQW2BHN15NJ03L
18	5%	100	30	250	2600	0.10	690	LQW2BHN18NJ03L
22	5%	100	30	250	2100	0.09	720	LQW2BHN22NJ03L
27	5%	100	40	250	2300	0.17	540	LQW2BHN27NJ03L
33	5%	100	40	250	1900	0.15	570	LQW2BHN33NJ03L
39	5%	100	40	250	1700	0.09	730	LQW2BHN39NJ03L
47	5%	100	40	200	1600	0.23	450	LQW2BHN47NJ03L
56	5%	100	40	200	1500	0.26	430	LQW2BHN56NJ03L
68	5%	100	40	200	1200	0.23	460	LQW2BHN68NJ03L
82	5%	100	40	150	1100	0.42	320	LQW2BHN82NJ03L
100	5%	100	40	150	900	0.38	350	LQW2BHNR10J03L
120	5%	100	40	150	750	0.40	320	LQW2BHNR12J03L
150	5%	100	30	150	350	0.47	390	LQW2BHNR15J03L
180	5%	100	35	100	700	0.71	250	LQW2BHNR18J03L
220	5%	100	35	100	500	0.7	240	LQW2BHNR22J03L
270	5%	100	15	25.2	550	2.0	190	LQW2BHNR27J03L
330	5%	100	15	25.2	500	2.2	180	LQW2BHNR33J03L
390	5%	100	15	25.2	400	2.5	170	LQW2BHNR39J03L
470	5%	100	15	25.2	350	2.8	160	LQW2BHNR47J03L



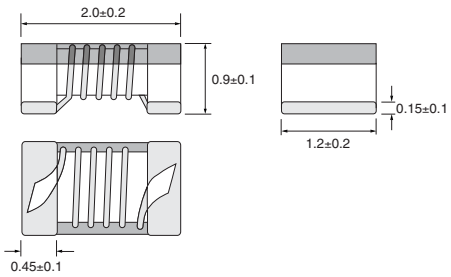
MURATA type LQW21H (Horizontal)

A range of wirewound inductors which use a ferrite core and precise wound technology. This enables small size and high inductance values. Supplied taped and reeled.

- Inductance values from **470nH to 2200nH**
- Chip size **0805**
- High Q at FM band
- **Wirewound construction**
- Suitable for FM applications
- Supplied taped & reeled

Dimensions (mm)

LQW21H (0805)



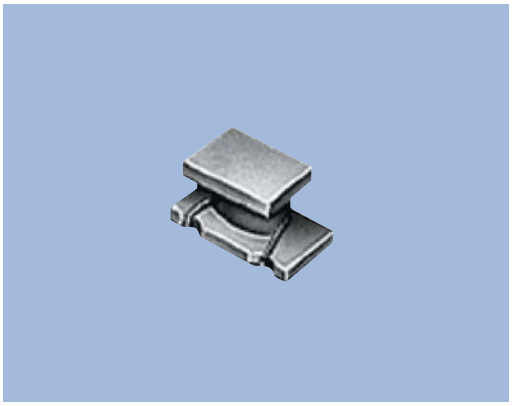
Specification	LQW21H
Inductance range	470nH (0.47µH) to 2200nH (2.2µH)
Inductance tolerance	5%
Operating temperature range	-40°C to +85°C

Packaging	
Tape	8mm wide, 4mm pitch
Reel	180mm dia.

0805 size, type LQW21H

ORDER CODES

Value (nH)	Tolerance	Test Frequency (MHz)	Q min.	Test Frequency (MHz)	SRF min. (MHz)	DC Resistance max. (Ω)	Current Rating (mA)	Order Code
470	5%	10	35	100	620	1.30	160	***LQW21HNR47J00L***
560	5%	10	35	100	580	1.43	150	***LQW21HNR56J00L***
680	5%	10	35	100	520	2.21	130	***LQW21HNR68J00L***
820	5%	10	35	100	480	2.34	125	***LQW21HNR82J00L***
1000	5%	10	35	100	450	2.86	115	***LQW21HN1R0J00L***
1200	5%	10	35	100	400	3.12	100	***LQW21HN1R2J00L***
1500	5%	10	35	100	350	5.33	85	***LQW21HN1R5J00L***
1800	5%	10	35	100	320	5.85	80	***LQW21HN1R8J00L***
2200	5%	10	35	100	300	6.5	75	***LQW21HN2R2J00L***



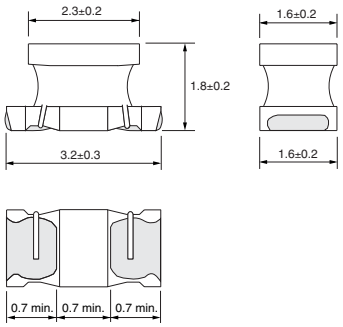
MURATA type LQx31H Series

A choice of vertical or horizontal wirewound inductors, depending on requirements, which are available in the same 1206 package. Both winding styles offer high Q value and can be used in the high frequency range. Supplied taped and reeled.

- Inductance values from **8.8nH to 880nH**
- Chip size **1206**
- Low DC resistance
- **Wirewound construction**
- High Q value
- Supplied taped & reeled

Dimensions (mm)

LQW31H & LQH31H (1206)



Specification	LQx31H
Inductance range	8.8nH to 880nH
Inductance tolerance	As listed (10% available to order)
Operating temperature range	-40°C to +85°C

Packaging	
Tape	8mm wide, 4mm pitch
Reel	180mm dia.

1206 size, type LQW31H (Vertical winding)

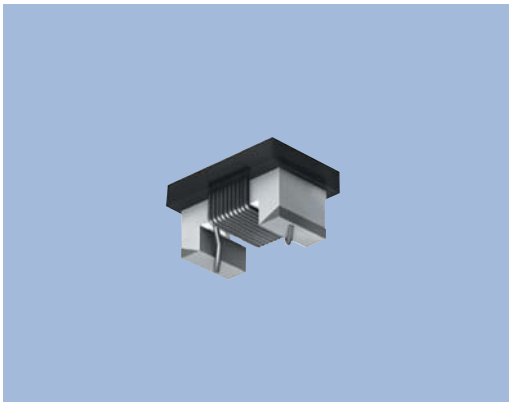
ORDER CODES

Value (nH)	Tolerance	Test Frequency (MHz)	Q min.	Test Frequency (MHz)	SRF min. (MHz)	DC Resistance ±40% (Ω)	Current Rating (mA)	Order Code
8.8	5%	100	50	436	1000	0.029	750	*LQW31HN8N8J03L*
14.7	5%	100	60	436	1000	0.035	680	*LQW31HN15NJ03L*
17	5%	100	60	436	1000	0.037	650	*LQW31HN17NJ03L*
23	5%	100	60	436	1000	0.046	590	*LQW31HN23NJ03L*
27	5%	100	60	436	1000	0.051	560	*LQW31HN27NJ03L*
33	5%	100	60	436	1000	0.057	530	*LQW31HN33NJ03L*
39	5%	100	60	436	1000	0.067	490	*LQW31HN39NJ03L*
47	5%	100	60	436	1000	0.11	380	*LQW31HN47NJ03L*
56	5%	100	60	436	1000	0.14	330	*LQW31HN56NJ03L*
64	5%	100	60	436	1000	0.18	290	*LQW31HN64NJ03L*
84	5%	100	60	436	1000	0.28	240	*LQW31HN84NJ03L*
100	5%	100	60	436	900	0.3	230	*LQW31HNR10J03L*

1206 size, type LQH31H (Horizontal winding)

ORDER CODES

Value (nH)	Tolerance	Test Frequency (MHz)	Q min.	Test Frequency (MHz)	SRF min. (MHz)	DC Resistance ±40% (Ω)	Current Rating (mA)	Order Code
54	10%	1	50	100	800	0.035	920	*LQH31HN54NK03L*
95	10%	1	60	100	650	0.047	790	*LQH31HN95NK03L*
145	5%	1	60	100	500	0.061	700	*LQH31HNR14J03L*
215	5%	1	60	100	430	0.11	520	*LQH31HNR21J03L*
290	5%	1	60	100	360	0.17	420	*LQH31HNR29J03L*
390	5%	1	60	100	300	0.26	330	*LQH31HNR39J03L*
500	5%	1	60	100	270	0.44	260	*LQH31HNR50J03L*
610	5%	1	60	100	240	0.48	250	*LQH31HNR61J03L*
750	5%	1	60	100	220	0.79	190	*LQH31HNR75J03L*
880	5%	1	60	100	200	0.86	180	*LQH31HNR88J03L*

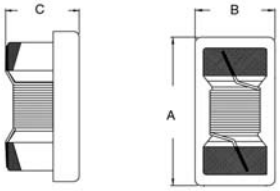


FASTRON type AS

A range of high frequency inductors which provide optimal Q on high frequency circuits in RF applications. The encapsulation which protects the winding also allows surface mount assembly. A ceramic core permits use in applications up to 125°C. Supplied taped and reeled.

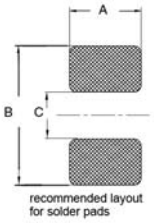
- Inductance values from **0.9nH to 82000nH (82µH)**
- Chip sizes from **0402 to 1812**
- Gold flash pad for excellent soldering ability
- **Wirewound construction**
- Ceramic core
- Broad range of inductance in a wide variety of case sizes
- Supplied taped & reeled

Dimensions (mm)



Chip Size	A max.	B max.	C max.
0402	1.2	0.65	0.7
0603	1.7	1.1	1.0
0805	2.3	1.8	1.6
1008	2.9	2.8	2.1
1206	4.0	2.5	1.5
1210	3.8	3.0	2.4
1812	4.9	3.8	3.4

Pad Pattern



Chip Size	A	B	C
0402	0.66	1.18	0.46
0603	1.0	1.95	0.65
0805	1.8	2.8	0.8
1008	2.5	3.3	1.3
1206	1.95	3.8	1.8
1210	2.7	4.4	2.1
1812	3.05	5.28	3.0

Specification	AS
Inductance range	0.9nH to 82000nH (82µH)
Inductance tolerance	As listed, (2% & 10% available to order on many values)
Operating temperature range	-40°C to +125°C

Packaging		
Tape		
	0402 to 1206	8mm wide, 4mm pitch
	1210 to 1812	12mm wide, 4mm pitch
Reel		180mm dia.

INDUCTANCE CONVERSION GUIDE

Nano-Henry (nH)	Micro-Henry (µH)
1.0	0.001
1.5	0.0015
2.2	0.0022
3.3	0.0033
4.7	0.0047
6.8	0.0068
10	0.01
15	0.015
22	0.022
33	0.033
47	0.047
68	0.068
100	0.1
150	0.15
220	0.22
330	0.33
470	0.47
680	0.68
1000	1.0
1500	1.5
2200	2.2
3300	3.3
4700	4.7
6800	6.8

Fastron type AS continued on the following six pages > > > >

+44 (0)1945 47 47 47 www.anglia.com info@anglia.com 31

continuation

0402AS

ORDER CODES

Value (nH)	Tolerance	fL (MHz)	Q min.	fQ (MHz)	SRF min. (MHz)	DCR max. (Ω)	Rated DC Current (mA)	Order Code
0.9	5%	250	11	250	6000	0.04	1360	0402AS-0N9J-01
1.0	5%	250	11	250	6000	0.07	700	0402AS-1N0J-01
1.2	5%	250	11	250	6000	0.11	700	0402AS-1N2J-01
1.8	5%	250	16	250	6000	0.07	1040	0402AS-1N8J-01
1.9	5%	250	16	250	6000	0.07	1040	0402AS-1N9J-01
2.0	5%	250	16	250	6000	0.07	1040	0402AS-2N0J-01
2.2	5%	250	14	250	6000	0.11	640	0402AS-2N2J-01
2.4	5%	250	16	250	6000	0.12	640	0402AS-2N4J-01
2.5	5%	250	16	250	6000	0.12	640	0402AS-2N5J-01
2.7	5%	250	16	250	6000	0.12	640	0402AS-2N7J-01
2.9	5%	250	16	250	6000	0.10	700	0402AS-2N9J-01
3.3	5%	250	20	250	6000	0.10	700	0402AS-3N3J-01
3.6	5%	250	19	250	6000	0.10	700	0402AS-3N6J-01
3.9	5%	250	19	250	4800	0.10	700	0402AS-3N9J-01
4.3	5%	250	18	250	6000	0.09	700	0402AS-4N3J-01
4.7	5%	250	15	250	4775	0.13	640	0402AS-4N7J-01
5.1	5%	250	23	250	4800	0.08	800	0402AS-5N1J-01
5.6	5%	250	22	250	4800	0.11	760	0402AS-5N6J-01
6.2	5%	250	20	250	4800	0.11	760	0402AS-6N2J-01
6.8	5%	250	21	250	4800	0.10	680	0402AS-6N8J-01
7.5	5%	250	24	250	4800	0.10	680	0402AS-7N5J-01
8.2	5%	250	24	250	4400	0.10	680	0402AS-8N2J-01
8.7	5%	250	22	250	4160	0.16	681	0402AS-8N7J-01
9.0	5%	250	22	250	4160	0.16	681	0402AS-9N0J-01
9.1	5%	250	22	250	4000	0.20	480	0402AS-9N1J-01
9.5	5%	250	22	250	4000	0.20	480	0402AS-9N5J-01
10	5%	250	21	250	3900	0.20	480	0402AS-010J-01
11	5%	250	24	250	3680	0.17	640	0402AS-011J-01
12	5%	250	24	250	3600	0.17	640	0402AS-012J-01
13	5%	250	24	250	3600	0.17	640	0402AS-013J-01
15	5%	250	24	250	3280	0.17	560	0402AS-015J-01
16	5%	250	24	250	3100	0.22	560	0402AS-016J-01
18	5%	250	25	250	3100	0.23	420	0402AS-018J-01
19	5%	250	24	250	3040	0.24	480	0402AS-019J-01
20	5%	250	25	250	3000	0.25	420	0402AS-020J-01
22	5%	250	25	250	2800	0.30	400	0402AS-022J-01
23	5%	250	22	250	2720	0.30	400	0402AS-023J-01
24	5%	250	22	250	2480	0.30	400	0402AS-024J-01
27	5%	250	24	250	2480	0.30	400	0402AS-027J-01
30	5%	250	24	250	2350	0.30	400	0402AS-030J-01
33	5%	250	24	250	2350	0.30	320	0402AS-033J-01
36	5%	250	24	250	2320	0.44	320	0402AS-036J-01
39	5%	250	25	250	2100	0.55	200	0402AS-039J-01
40	5%	250	25	250	2100	0.83	150	0402AS-040J-01
43	5%	250	25	250	2100	0.75	150	0402AS-043J-01
47	5%	250	25	250	2100	0.83	150	0402AS-047J-01
51	5%	250	25	250	1760	0.97	100	0402AS-051J-01
56	5%	250	25	250	1760	0.97	100	0402AS-056J-01
68	5%	250	25	250	1620	0.97	100	0402AS-068J-01
72	5%	100	15	100	1070	1.2	80	0402AS-072J-01
82	5%	100	18	100	1070	1.2	80	0402AS-082J-01
100	5%	100	15	100	1070	1.2	80	0402AS-R10J-01
120	5%	100	12	100	580	1.3	75	0402AS-R12J-01
130	5%	100	10	100	450	1.3	70	0402AS-R13J-01
150	5%	100	13	100	400	1.3	60	0402AS-R15J-01
180	5%	50	10	50	380	1.5	65	0402AS-R18J-01
200	5%	50	10	50	400	1.5	50	0402AS-R20J-01
220	5%	50	10	50	190	2.0	50	0402AS-R22J-01

FREQUENCY CONVERSION GUIDE

MHz	GHz
1000	1.0
1500	1.5
2500	2.5
4500	4.5
6000	6.0
10000	10.0
15000	15.0

continuation

0603AS

ORDER CODES

Value (nH)	Tolerance	fL (MHz)	Q min	fQ (MHz)	SRF min. (MHz)	DCR max. (Ω)	Rated DC Current (mA)	Order Code
1.5	5%	250	20	250	6000	0.03	850	0603AS-1N5J-01
1.6	5%	250	20	250	6000	0.03	850	0603AS-1N6J-01
1.8	5%	250	16	250	6000	0.045	700	0603AS-1N8J-01
2.0	5%	250	10	250	5900	0.17	170	0603AS-2N0J-01
2.2	5%	250	10	250	5900	0.17	170	0603AS-2N2J-01
3.3	5%	250	22	250	6000	0.10	700	0603AS-3N3J-01
3.6	5%	250	20	250	6000	0.08	700	0603AS-3N6J-01
3.9	5%	250	22	250	6000	0.08	700	0603AS-3N9J-01
4.3	5%	250	25	250	6000	0.07	700	0603AS-4N3J-01
4.7	5%	250	25	250	6000	0.07	700	0603AS-4N7J-01
5.1	5%	250	20	250	6000	0.10	700	0603AS-5N1J-01
5.6	5%	250	27	250	6000	0.12	700	0603AS-5N6J-01
6.2	5%	250	25	250	5800	0.11	700	0603AS-6N2J-01
6.8	5%	250	27	250	5800	0.11	700	0603AS-6N8J-01
7.5	5%	250	30	250	5400	0.12	700	0603AS-7N5J-01
7.6	5%	250	30	250	5400	0.12	700	0603AS-7N6J-01
8.0	5%	250	30	250	5400	0.12	700	0603AS-8N0J-01
8.2	5%	250	30	250	5400	0.12	700	0603AS-8N2J-01
8.7	5%	250	28	250	4600	0.109	700	0603AS-8N7J-01
8.9	5%	250	25	250	4600	0.19	700	0603AS-8N9J-01
9.5	5%	250	25	250	5000	0.19	700	0603AS-9N5J-01
10	5%	250	31	250	4800	0.13	700	0603AS-010J-01
11	5%	250	35	250	4000	0.13	700	0603AS-011J-01
12	5%	250	35	250	4000	0.13	700	0603AS-012J-01
15	5%	250	35	250	4000	0.17	700	0603AS-015J-01
16	5%	250	35	250	3200	0.17	700	0603AS-016J-01
18	5%	250	35	250	3100	0.17	700	0603AS-018J-01
22	5%	250	38	250	3000	0.19	700	0603AS-022J-01
24	5%	250	38	250	2800	0.22	600	0603AS-024J-01
27	5%	250	40	250	2800	0.22	600	0603AS-027J-01
30	5%	250	40	250	2300	0.22	600	0603AS-030J-01
33	5%	250	40	250	2300	0.22	600	0603AS-033J-01
36	5%	250	40	250	2200	0.25	600	0603AS-036J-01
39	5%	250	40	250	2200	0.25	600	0603AS-039J-01
43	5%	250	40	250	2000	0.28	600	0603AS-043J-01
47	5%	200	38	200	2000	0.28	600	0603AS-047J-01
51	5%	200	38	200	1900	0.28	600	0603AS-051J-01
56	5%	200	38	200	1900	0.31	400	0603AS-056J-01
68	5%	200	37	200	1700	0.34	400	0603AS-068J-01
72	5%	150	34	150	1700	0.49	400	0603AS-072J-01
82	5%	150	34	150	1700	0.54	400	0603AS-082J-01
90	5%	150	34	150	1700	0.54	400	0603AS-090J-01
100	5%	150	34	150	1400	0.58	400	0603AS-R10J-01
110	5%	150	34	150	1350	0.61	300	0603AS-R11J-01
120	5%	150	34	150	1300	0.65	300	0603AS-R12J-01
130	5%	150	32	150	1200	0.9	200	0603AS-R13J-01
150	5%	150	32	150	1200	0.9	200	0603AS-R15J-01
180	5%	100	32	100	1100	1.2	200	0603AS-R18J-01
200	5%	100	30	100	1100	1.55	200	0603AS-R20J-01
220	5%	100	30	100	1000	1.6	150	0603AS-R22J-01
270	5%	100	30	100	950	2.3	150	0603AS-R27J-01
300	5%	100	30	100	900	2.4	150	0603AS-R30J-01
330	5%	100	30	100	600	2.5	150	0603AS-R33J-01
390	5%	100	25	100	450	2.9	150	0603AS-R39J-01
470	5%	25	16	25	230	2.8	150	0603AS-R47J-01
560	5%	25	16	25	150	2.9	150	0603AS-R56J-01
680	5%	25	16	25	140	3.0	140	0603AS-R68J-01
750	5%	25	16	25	320	3.5	130	0603AS-R75J-01
820	5%	25	16	25	290	3.7	120	0603AS-R82J-01
910	5%	25	16	25	140	3.8	120	0603AS-R91J-01
1000	5%	25	16	25	250	4.0	110	0603AS-1R0J-01
1200	5%	25	16	25	140	4.2	100	0603AS-1R2J-01

Fastron type AS continued overleaf > > > >

+44 (0)1945 47 47 47 www.anglia.com info@anglia.com 33

continuation

0805AS

ORDER CODES

Value (nH)	Tolerance	fL (MHz)	Q min.	fQ (MHz)	SRF min. (MHz)	DCR max. (Ω)	Rated DC Current (mA)	Order Code
2.7	5%	250	80	1500	6000	0.08	600	0805AS-2N7J-01
3.3	5%	250	50	1500	6000	0.08	600	0805AS-3N3J-01
3.9	5%	250	25	1000	6000	0.20	600	0805AS-3N9J-01
5.6	5%	250	53	1000	5500	0.11	600	0805AS-5N6J-01
5.8	5%	250	50	1000	5500	0.11	600	0805AS-5N8J-01
6.8	5%	250	50	1000	5500	0.11	600	0805AS-6N8J-01
8.0	5%	250	51	1000	4700	0.12	600	0805AS-8N0J-01
8.2	5%	250	50	1000	4700	0.12	600	0805AS-8N2J-01
10	5%	250	43	1000	4300	0.13	600	0805AS-010J-01
11	5%	250	65	1000	4000	0.13	600	0805AS-011J-01
12	5%	250	50	500	4000	0.15	600	0805AS-012J-01
15	5%	250	50	500	3400	0.17	600	0805AS-015J-01
18	5%	250	53	500	3300	0.20	600	0805AS-018J-01
22	5%	250	57	500	2600	0.22	500	0805AS-022J-01
27	5%	250	55	500	2500	0.25	500	0805AS-027J-01
33	5%	250	60	500	2050	0.27	500	0805AS-033J-01
36	5%	250	60	500	2050	0.27	600	0805AS-036J-01
39	5%	250	60	500	2000	0.29	500	0805AS-039J-01
47	5%	200	65	500	1650	0.31	500	0805AS-047J-01
56	5%	200	64	500	1550	0.34	500	0805AS-056J-01
68	5%	200	65	500	1450	0.38	400	0805AS-068J-01
75	5%	200	55	500	1300	0.42	400	0805AS-075J-01
82	5%	150	67	500	1300	0.42	400	0805AS-082J-01
100	5%	150	65	500	1200	0.46	400	0805AS-R10J-01
120	5%	150	52	250	1100	0.51	400	0805AS-R12J-01
130	5%	100	53	250	920	0.56	400	0805AS-R13J-01
150	5%	100	60	250	920	0.56	400	0805AS-R15J-01
180	5%	100	50	250	870	0.64	400	0805AS-R18J-01
200	5%	100	54	250	850	0.70	400	0805AS-R20J-01
220	5%	100	59	250	850	0.70	400	0805AS-R22J-01
240	5%	100	52	250	850	0.80	400	0805AS-R24J-01
250	5%	100	52	250	850	0.80	400	0805AS-R25J-01
270	5%	100	40	100	820	1.5	280	0805AS-R27J-01
290	5%	100	40	100	795	1.8	260	0805AS-R29J-01
300	5%	100	40	100	795	1.8	260	0805AS-R30J-01
310	5%	100	40	100	795	1.8	260	0805AS-R31J-01
320	5%	100	40	100	790	1.8	260	0805AS-R32J-01
330	5%	100	40	100	790	1.8	260	0805AS-R33J-01
340	5%	100	40	100	790	1.8	260	0805AS-R34J-01
350	5%	100	40	100	750	2.0	200	0805AS-R35J-01
390	5%	100	42	100	750	2.0	200	0805AS-R39J-01
450	5%	100	40	100	720	2.5	200	0805AS-R45J-01
470	5%	100	40	100	720	2.5	170	0805AS-R47J-01
510	5%	100	40	100	650	3.5	170	0805AS-R51J-01
560	5%	100	40	100	650	3.5	170	0805AS-R56J-01
680	5%	50	37	75	600	4.0	170	0805AS-R68J-01
750	5%	25	23	50	215	2.35	180	0805AS-R75J-01
800	5%	25	23	50	215	2.35	180	0805AS-R80J-01
820	5%	25	23	50	215	2.35	180	0805AS-R82J-01
910	5%	25	23	50	215	2.35	180	0805AS-R91J-01
1000	5%	25	23	50	215	2.35	180	0805AS-1R0J-01
1200	5%	7.9	15	7.9	80	2.8	200	0805AS-1R2J-01
1500	5%	7.9	15	50	80	3.0	200	0850AS-1R5J-01
1800	5%	7.9	15	50	80	3.0	210	0805AS-1R8J-01
2000	5%	7.9	15	7.9	80	3.5	170	0805AS-2R0J-01
2200	5%	7.9	15	7.9	60	3.8	150	0805AS-2R2J-01
2400	5%	7.9	15	7.9	150	3.8	120	0503AS-2R4J-01
2700	5%	7.9	15	7.9	100	5.0	120	0805AS-2R7J-01
3000	5%	7.9	15	7.9	150	4.8	120	0805AS-3R0J-01
3300	5%	7.9	15	7.9	99	5.1	120	0805AS-3R3J-01
3600	5%	7.9	15	7.9	150	5.0	100	0805AS-3R6J-01
3900	5%	7.9	15	7.9	90	7.1	100	0805AS-3R9J-01
4300	5%	7.9	15	7.9	150	7.2	100	0805AS-4R3J-01
4700	5%	7.9	15	7.9	50	8.0	100	0805AS-4R7J-01
5600	5%	7.9	15	7.9	50	9.5	90	0805AS-5R6J-01
10000 (10µH)	5%	7.9	15	7.9	35	16	60	0805AS-100J-01

continuation

1008AS

ORDER CODES

Value (nH)	Tolerance	fL (MHz)	Q min.	fQ (MHz)	SRF min. (MHz)	DCR max. (Ω)	Rated DC Current (mA)	Order Code
4.7	5%	50	17	500	6000	0.15	600	*1008AS-4N7J-01*
8.2	5%	50	70	1000	5000	0.08	600	*1008AS-8N2J-01*
10	5%	50	50	500	4100	0.08	1000	*1008AS-010J-01*
12	5%	50	53	500	3300	0.09	1000	*1008AS-012J-01*
15	5%	50	70	500	2500	0.10	1000	*1008AS-015J-01*
18	5%	50	50	350	2500	0.11	1000	*1008AS-018J-01*
22	5%	50	55	350	2400	0.12	1000	*1008AS-022J-01*
27	5%	50	58	350	1600	0.13	1000	*1008AS-027J-01*
30	5%	50	65	350	1600	0.14	1000	*1008AS-030J-01*
33	5%	50	65	350	1600	0.14	1000	*1008AS-033J-01*
39	5%	50	60	350	1500	0.15	1000	*1008AS-039J-01*
47	5%	50	65	350	1500	0.16	1000	*1008AS-047J-01*
56	5%	50	65	350	1300	0.18	1000	*1008AS-056J-01*
68	5%	50	67	350	1300	0.20	1000	*1008AS-068J-01*
82	5%	50	63	350	1000	0.22	650	*1008AS-082J-01*
90	5%	50	60	350	1000	0.56	650	*1008AS-090J-01*
100	5%	25	63	350	1000	0.56	650	*1008AS-R10J-01*
120	5%	25	60	350	950	0.63	650	*1008AS-R12J-01*
150	5%	25	50	100	850	0.70	620	*1008AS-R15J-01*
180	5%	25	45	100	750	0.77	620	*1008AS-R18J-01*
220	5%	25	46	100	700	0.84	620	*1008AS-R22J-01*
240	5%	25	46	100	600	0.84	600	*1008AS-R24J-01*
270	5%	25	48	100	600	0.91	500	*1008AS-R27J-01*
300	5%	25	45	100	600	0.91	500	*1008AS-R30J-01*
330	5%	25	51	100	570	1.05	470	*1008AS-R33J-01*
390	5%	25	47	100	500	1.12	470	*1008AS-R39J-01*
470	5%	25	54	100	450	1.19	470	*1008AS-R47J-01*
510	5%	25	51	100	415	1.33	400	*1008AS-R51J-01*
560	5%	25	56	100	415	1.33	400	*1008AS-R56J-01*
620	5%	25	49	100	375	1.40	400	*1008AS-R62J-01*
680	5%	25	46	100	375	1.47	400	*1008AS-R68J-01*
750	5%	25	46	100	360	1.54	400	*1008AS-R75J-01*
820	5%	25	52	100	350	1.61	400	*1008AS-R82J-01*
910	5%	25	37	50	320	1.68	380	*1008AS-R91J-01*
1000	5%	25	36	50	290	1.75	370	*1008AS-1R0J-01*
1100	5%	25	35	50	250	1.85	350	*1008AS-1R1J-01*
1200	5%	7.9	35	50	250	2.0	310	*1008AS-1R2J-01*
1400	5%	7.9	33	50	200	2.3	330	*1008AS-1R4J-01*
1500	5%	7.9	35	50	200	2.3	330	*1008AS-1R5J-01*
1800	5%	7.9	34	50	160	2.6	300	*1008AS-1R8J-01*
2200	5%	7.9	28	50	160	2.8	280	*1008AS-2R2J-01*
2700	5%	7.9	23	25	140	4.8	110	*1008AS-2R7J-01*
3300	5%	7.9	22	25	110	5.1	110	*1008AS-3R3J-01*
3900	5%	7.9	27	25	100	5.4	110	*1008AS-3R9J-01*
4700	5%	7.9	20	25	65	6.0	110	*1008AS-4R7J-01*
5000	5%	7.9	20	25	60	6.6	110	*1008AS-5R0J-01*
5600	5%	7.9	22	7.9	55	6.5	110	*1008AS-5R6J-01*
6800	5%	7.9	22	7.9	48	7.5	110	*1008AS-6R8J-01*
8200	5%	7.9	24	7.9	44	8.4	110	*1008AS-8R2J-01*
10000 (10µH)	5%	7.9	20	7.9	40	8.4	110	1008AS-100J-01
12000 (12µH)	5%	7.9	20	7.9	30	11.5	136	*1008AS-120J-01*

Fastron type AS continued overleaf > > > >

+44 (0)1945 47 47 47 www.anglia.com info@anglia.com 35

continuation

1206AS

ORDER CODES

Value (nH)	Tolerance	fL (MHz)	Q min.	fQ (MHz)	SRF min. (MHz)	DCR max. (Ω)	Rated DC Current (mA)	Order Code
3.3	5%	100	30	300	6000	0.05	1000	*1206AS-3N3J-01*
6.8	5%	100	37	300	5500	0.07	1000	*1206AS-6N8J-01*
10	5%	100	40	300	4000	0.08	1000	*1206AS-010J-01*
12	5%	100	51	300	3200	0.08	1000	*1206AS-012J-01*
15	5%	100	51	300	3200	0.10	1000	*1206AS-015J-01*
18	5%	100	51	300	2800	0.10	1000	*1206AS-018J-01*
22	5%	100	52	300	2200	0.10	1000	*1206AS-022J-01*
27	5%	100	52	300	1800	0.11	1000	*1206AS-027J-01*
33	5%	100	56	300	1800	0.11	1000	*1206AS-033J-01*
39	5%	100	64	300	1800	0.12	1000	*1206AS-039J-01*
47	5%	100	64	300	1500	0.13	1000	*1206AS-047J-01*
56	5%	100	64	300	1450	0.14	1000	*1206AS-056J-01*
68	5%	100	61	300	1200	0.26	900	*1206AS-068J-01*
82	5%	100	66	300	1200	0.21	900	*1206AS-082J-01*
100	5%	100	55	300	1100	0.26	850	*1206AS-R10J-01*
120	5%	100	75	300	1100	0.26	800	*1206AS-R12J-01*
150	5%	100	65	300	950	0.31	750	*1206AS-R15J-01*
180	5%	50	75	300	900	0.43	700	*1206AS-R18J-01*
220	5%	50	75	300	760	0.50	670	*1206AS-R22J-01*
270	5%	50	57	300	730	0.56	630	*1206AS-R27J-01*
330	5%	50	55	150	650	0.62	590	*1206AS-R33J-01*
390	5%	50	55	150	600	0.75	530	*1206AS-R39J-01*
470	5%	50	52	150	550	1.30	490	*1206AS-R47J-01*
560	5%	50	45	150	470	1.34	460	*1206AS-R56J-01*
680	5%	35	45	150	450	1.58	430	*1206AS-R68J-01*
820	5%	35	45	150	420	1.82	400	*1206AS-R82J-01*
1000	5%	35	45	150	400	2.8	320	*1206AS-1R0J-01*
1200	5%	35	45	150	380	3.2	300	*1206AS-1R2J-01*
2200	5%	35	32	150	160	4.5	280	*1206AS-2R2J-01*
3300	5%	35	20	50	140	6.5	130	*1206AS-3R3J-01*
4700	5%	35	20	50	120	7.2	120	*1206AS-4R7J-01*

1210AS

ORDER CODES

Value (nH)	Tolerance	fL (MHz)	Q min.	fQ (MHz)	SRF min. (MHz)	DCR max. (Ω)	Rated DC Current (mA)	Order Code
12	5%	50	50	500	2400	0.09	1000	*1210AS-012J-01*
15	5%	50	50	500	2400	0.10	1000	*1210AS-015J-01*
18	5%	50	50	350	2400	0.11	1000	*1210AS-018J-01*
22	5%	50	55	350	2400	0.12	1000	*1210AS-022J-01*
27	5%	50	55	350	1800	0.13	1000	*1210AS-027J-01*
33	5%	50	60	350	1600	0.14	1000	*1210AS-033J-01*
39	5%	50	60	350	1500	0.15	1000	*1210AS-039J-01*
47	5%	50	65	350	1200	0.16	1000	*1210AS-047J-01*
56	5%	50	65	350	1200	0.16	1000	*1210AS-056J-01*
68	5%	50	65	350	1000	0.20	1000	*1210AS-068J-01*
82	5%	50	60	350	1000	0.22	1000	*1210AS-082J-01*
100	5%	25	60	350	1000	0.24	980	*1210AS-R10J-01*
120	5%	25	60	350	850	0.26	920	*1210AS-R12J-01*
150	5%	25	50	100	750	0.29	870	*1210AS-R15J-01*
180	5%	25	50	100	700	0.31	830	*1210AS-R18J-01*
220	5%	25	50	100	650	0.35	790	*1210AS-R22J-01*
270	5%	25	45	100	600	0.42	730	*1210AS-R27J-01*
330	5%	25	45	100	500	0.49	680	*1210AS-R33J-01*
390	5%	25	45	100	500	0.54	640	*1210AS-R39J-01*
470	5%	25	45	100	450	0.60	610	*1210AS-R47J-01*
560	5%	25	45	100	415	1.0	460	*1210AS-R56J-01*
680	5%	25	45	100	350	1.15	420	*1210AS-R68J-01*
820	5%	25	45	100	350	1.93	350	*1210AS-R82J-01*
1000	5%	25	35	50	290	2.16	330	*1210AS-1R0J-01*
1200	5%	7.9	35	50	250	2.38	310	*1210AS-1R2J-01*
1500	5%	7.9	25	50	200	2.64	300	*1210AS-1R5J-01*
1800	5%	7.9	25	50	160	2.76	290	*1210AS-1R8J-01*
2200	5%	7.9	25	50	160	2.98	280	*1210AS-2R2J-01*
2700	5%	7.9	25	25	140	3.30	260	*1210AS-2R7J-01*
3300	5%	7.9	25	25	120	3.66	250	*1210AS-3R3J-01*
3900	5%	7.9	20	25	100	4.0	240	*1210AS-3R9J-01*
4700	5%	7.9	20	25	90	4.3	230	*1210AS-4R7J-01*
5600	5%	7.9	15	25	60	4.3	230	*1210AS-5R6J-01*
6800	5%	7.9	15	25	60	5.2	210	*1210AS-6R8J-01*
8200	5%	7.9	17	7.9	45	5.9	168	*1210AS-8R2J-01*
10000 (10µH)	5%	7.9	17	7.9	38	6.0	160	*1210AS-100J-01*
15000 (15µH)	5%	7.9	15	7.9	20	7.0	120	*1210AS-150J-01*

continuation

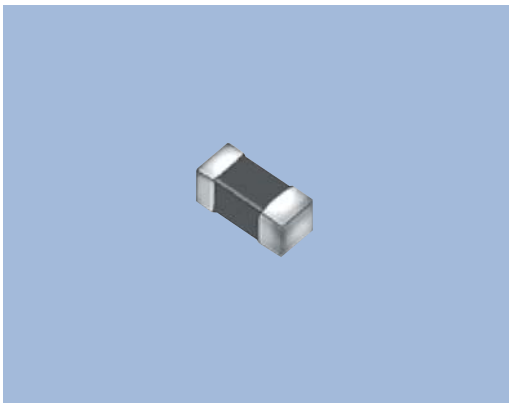
1812AS

ORDER CODES

Value (nH)	Tolerance	fL (MHz)	Q min.	fQ (MHz)	SRF min. (MHz)	DCR max. (Ω)	Rated DC Current (mA)	Order Code
1000	5%	7.9	62	50	277	1.2	480	*1812AS-1R0J-01*
1200	5%	7.9	60	50	240	1.2	480	*1812AS-1R2J-01*
1500	5%	7.9	60	50	220	1.6	430	*1812AS-1R5J-01*
1800	5%	7.9	60	50	200	2.0	380	*1812AS-1R8J-01*
2200	5%	7.9	63	50	180	2.2	340	*1812AS-2R2J-01*
2700	5%	7.9	63	50	160	3.2	300	*1812AS-2R7J-01*
3300	5%	7.9	50	50	145	3.8	270	*1812AS-3R3J-01*
3900	5%	7.9	50	50	130	5.0	240	*1812AS-3R9J-01*
4700	5%	7.9	50	50	120	5.4	230	*1812AS-4R7J-01*
5600	5%	7.9	40	50	105	5.7	220	*1812AS-5R6J-01*
6800	5%	7.9	40	50	103	6.6	210	*1812AS-6R8J-01*
8200	5%	7.9	38	50	94	7.0	200	*1812AS-8R2J-01*
10000 (10µH)	5%	7.9	38	50	80	7.7	190	*1812AS-100J-01*
12000 (12µH)	5%	2.5	38	10	74	8.7	180	*1812AS-120J-01*
15000 (15µH)	5%	2.5	37	10	59	9.6	170	*1812AS-150J-01*
18000 (18µH)	5%	2.5	36	10	59	10.5	160	*1812AS-180J-01*
22000 (22µH)	5%	2.5	36	10	45	13	155	*1812AS-220J-01*
27000 (27µH)	5%	2.5	36	10	35	14	150	*1812AS-270J-01*
33000 (33µH)	5%	2.5	36	10	35	15.5	145	*1812AS-330J-01*
39000 (39µH)	5%	2.5	36	10	25	23.5	80	*1812AS-390J-01*
47000 (47µH)	5%	2.5	32	10	20	39	80	*1812AS-470J-01*
56000 (56µH)	5%	2.5	32	10	20	41	60	*1812AS-560J-01*
68000 (68µH)	5%	2.5	32	10	18	54	58	*1812AS-680J-01*
82000 (82µH)	5%	2.5	32	10	15	59	55	*1812AS-820J-01*

INDUCTANCE CONVERSION GUIDE

Nano-Henry (nH)	Micro-Henry (µH)
1.0	0.001
1.5	0.0015
2.2	0.0022
3.3	0.0033
4.7	0.0047
6.8	0.0068
10	0.01
15	0.015
22	0.022
33	0.033
47	0.047
68	0.068
100	0.1
150	0.15
220	0.22
330	0.33
470	0.47
680	0.68
1000	1.0
1500	1.5
2200	2.2
3300	3.3
4700	4.7
6800	6.8



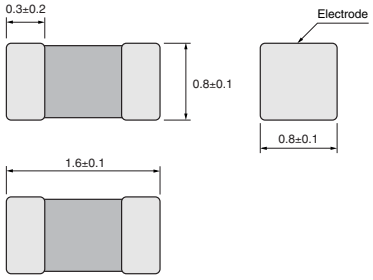
MURATA type LQM18F

A range of magnetically shielded inductors in a 0603 package. Constructed from a special ferrite material means a small inductance change caused by bias current enables a large rated current. Supplied taped and reeled.

- Inductance values from **1µH to 10µH**
- Chip size **0603**
- Low DC resistance
- **Monolithic construction**
- **Magnetically shielded** by ferrite
- Rated up to **150mA**
- Supplied taped & reeled

Dimensions (mm)

LQM18F (0603)



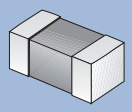
Specification	LQM18F
Inductance range	1µH to 10µH
Operating temperature range	-55°C to +125°C

Packaging	
Tape	8mm wide, 4mm pitch
Reel	180mm dia.

0603 size, type LQM18F

ORDER CODES

Value (µH)	Tolerance	Test Frequency (MHz)	SRF min. (MHz)	DC Resistance ±30% (Ω)	Current Rating (mA)	Order Code
1.0	20%	1	120	0.2	150	*LQM18FN1R0M00D*
2.2	20%	1	80	0.4	120	*LQM18FN2R2M00D*
4.7	20%	1	50	0.6	80	*LQM18FN4R7M00D*
10	20%	1	30	0.9	50	*LQM18FN100M00D*



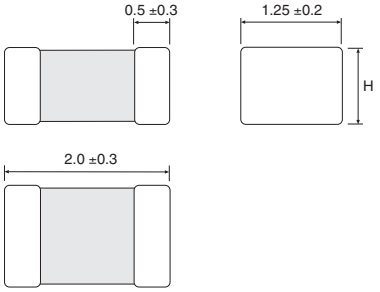
MURATA type LQM21 Series

A range of magnetically shielded inductors in a 0805 package, offering 3 versions each with its own feature depending on application needs. The entire series deliver excellent crosstalk characteristics. Supplied taped and reeled.

- Inductance values from **1µH to 47µH**
- Chip size **0805**
- Low DC resistance
- **Monolithic construction**
- **Magnetically shielded** by ferrite
- Rated up to **220mA**
- Supplied taped & reeled

Dimensions (mm)

LQM21D (0805)



Type	Values (µH)	H
LQM21D	1.0 - 10 22 - 47	0.85 ±0.2 1.25 ±0.2
LQM21F-00	1.0 - 2.2 4.7 - 47	0.85 ±0.2 1.25 ±0.2
LQM21F-70	All values	1.25 ±0.2

Specification	LQM21D
Inductance range	1µH to 47µH
Operating temperature range	-40°C to +85°C (LQM21F-70 -55°C to +125°C)

Packaging	
Tape	8mm wide, 4mm pitch
Reel	180mm dia.

0805 size, type LQM21D

ORDER CODES

Value (µH)	Tolerance	Test Frequency (MHz)	SRF min. (MHz)	DC Resistance max. (Ω)	Current Rating (mA)	Order Code
1.0	30%	1	75	0.10	60	*LQM21DN1R0N00D*
2.2	30%	1	50	0.17	40	*LQM21DN2R2N00D*
4.7	30%	1	35	0.30	30	*LQM21DN4R7N00D*
10	30%	1	24	0.50	15	*LQM21DN100N00D*
22	30%	1	16	0.65	13	*LQM21DN220N00L*
47	30%	1	7.5	1.20	7	*LQM21DN470N00L*

0805 size, type LQM21F-00

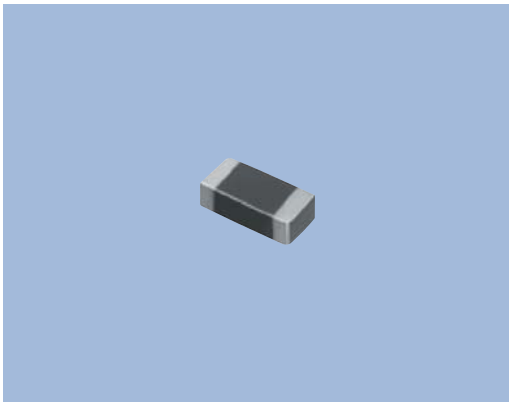
ORDER CODES

Value (µH)	Tolerance	Test Frequency (MHz)	SRF min. (MHz)	DC Resistance ±30% (Ω)	Current Rating (mA)	Order Code
1.0	30%	1	105	0.20	220	*LQM21FN1R0N00D*
2.2	30%	1	70	0.28	150	*LQM21FN2R2N00D*
4.7	30%	1	25	0.30	80	*LQM21FN4R7N00L*
10	30%	1	15	0.50	60	*LQM21FN100N00L*
22	30%	1	15	0.35	13	*LQM21FN220N00L*
47	30%	1	7.5	0.60	7	*LQM21FN470N00L*

0805 size, type LQM21F-70

ORDER CODES

Value (µH)	Tolerance	Test Frequency (MHz)	SRF min. (MHz)	DC Resistance ±30% (Ω)	Current Rating (mA)	Order Code
4.7	20%	1	25	0.35	120	*LQM21FN4R7M70L*
10	20%	1	15	0.60	100	*LQM21FN100M70L*



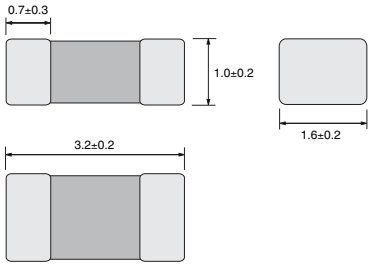
MURATA type LQM31F

A magnetically shielded inductor in a 1206 package, offering low resistance and suitable for power lines due to its excellent DC characteristics. Supplied taped and reeled.

- Inductance value **10µH**
- Chip size **1206**
- Low DC resistance
- Ideal for DC power lines
- **Monolithic construction**
- **Magnetically shielded** by ferrite
- Rated **70mA**
- Supplied taped & reeled

Dimensions (mm)

LQM21F (1206)



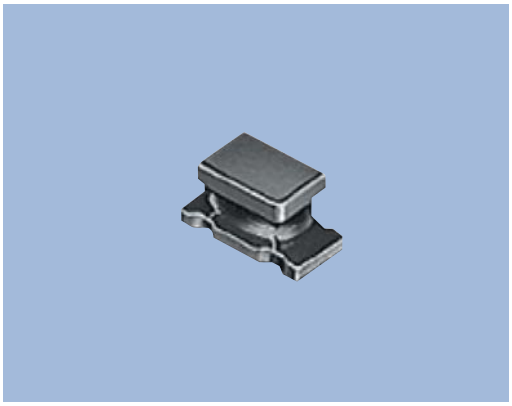
Specification	LQM31F
Inductance	10µH
Operating temperature range	-40°C to +85°C

Packaging	
Tape	8mm wide, 4mm pitch
Reel	330mm dia.

1206 size, type LQM31F

ORDER CODES

Value (µH)	Tolerance	Test Frequency (MHz)	SRF min. (MHz)	DC Resistance max. (Ω)	Current Rating (mA)	Order Code
10	20%	1	20	0.5	70	*LQM31FN100M00L*



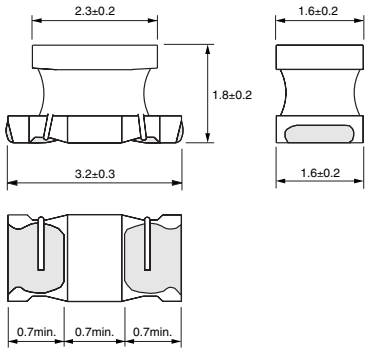
MURATA type LQH31C

A range of wirewound inductors offering higher current capacity in a 1206 package. Low DC resistance and high impedance make them suitable for use as a choke in DC power supply circuits. Supplied taped and reeled.

- Inductance values from **0.12µH to 100µH**
- Chip size **1206**
- Low DC resistance, higher current capacity & high impedance
- Ideal for DC power lines
- **Wirewound construction**
- No magnetic shield
- Rated up to **970mA**
- Supplied taped & reeled

Dimensions (mm)

LQH31C (1206)



Specification	LQH31C
Inductance range	0.12µH to 100µH
Operating temperature range	-40°C to +85°C

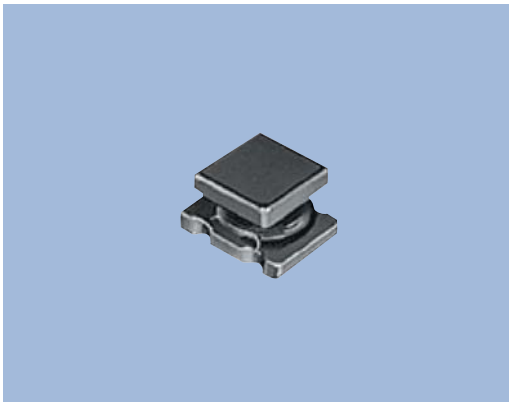
Packaging	
Tape	8mm wide, 4mm pitch
Reel	180mm dia.

1206 size, type LQH31C

ORDER CODES

Value (µH)	Tolerance	Test Frequency (MHz)	SRF min. (MHz)	DC Resistance ±30% (Ω)	Current Rating (mA)	Order Code
0.12	20%	1	250	0.08*	970	*LQH31CNR12M03L*
0.22	20%	1	250	0.10*	850	*LQH31CNR22M03L*
0.47	20%	1	180	0.15*	700	*LQH31CNR47M03L*
1.0	20%	1	100	0.28	510	*LQH31CN1R0M03L*
2.2	20%	1	50	0.41	430	*LQH31CN2R2M03L*
4.7	20%	1	31	0.65	340	*LQH31CN4R7M03L*
10	10%	1	20	1.3	230	*LQH31CN100K03L*
22	10%	1	14	3.0	160	*LQH31CN220K03L*
47	10%	1	10	8.0	100	*LQH31CN470K03L*
100	10%	1	7	12	80	*LQH31CN101K03L*

* ±40% Resistance



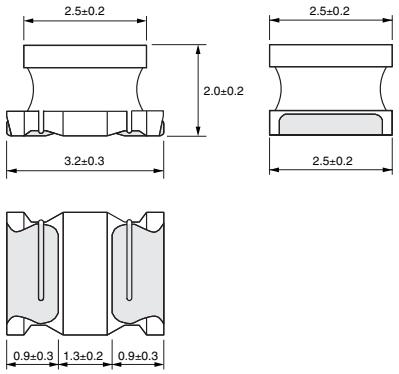
MURATA type LQH32C Series

A range of wirewound inductors offering higher current capacity in a 1210 package. Low DC resistance and the high current ratings make them suitable for use as a choke in DC power supply circuits. Supplied taped and reeled.

- Inductance values from **0.15µH to 560µH**
- Chip size **1210**
- Low DC resistance & higher current capacity
- Ideal for DC power lines
- **Wirewound construction**
- No magnetic shield
- Rated up to **1450mA**
- Supplied taped & reeled

Dimensions (mm)

LQH32C-23 & LQH32C-33 (1210)



Specification	LQH32C
Inductance range	0.15µH to 560µH
Operating temperature range	-40°C to +85°C

Packaging	
Tape	8mm wide, 4mm pitch
Reel	180mm dia.

1210 size, type LQH32C-23

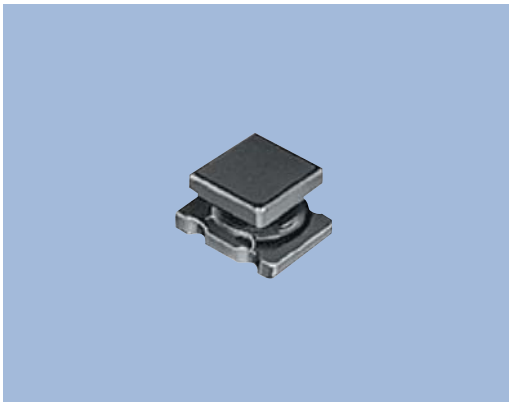
ORDER CODES

Value (µH)	Tolerance	Test Frequency (MHz)	SRF min. (MHz)	DC Resistance ±30% (Ω)	Current Rating (mA)	Order Code
1.0	20%	1	96	0.09	800	*LQH32CN1R0M23L*
2.2	20%	1	64	0.13	600	*LQH32CN2R2M23L*
4.7	20%	1	43	0.20	450	*LQH32CN4R7M23L*
10	10%	1	26	0.44	300	*LQH32CN100K23L*
22	10%	1	19	0.71	250	*LQH32CN220K23L*
47	10%	1	15	1.3	170	*LQH32CN470K23L*
100	10%	1	10	3.5	100	*LQH32CN101K23L*
220	10%	1	6.8	8.4	70	*LQH32CN221K23L*
330	10%	1	5.6	10	60	*LQH32CN331K23L*
390	10%	1	5	17	60	*LQH32CN391K23L*
470	10%	0.001	5	19	60	*LQH32CN471K23L*
560	10%	0.001	5	22	60	*LQH32CN561K23L*

1210 size, type LQH32C-33

ORDER CODES

Value (µH)	Tolerance	Test Frequency (MHz)	SRF min. (MHz)	DC Resistance ±30% (Ω)	Current Rating (mA)	Order Code
0.15	20%	1	400	0.028	1450	*LQH32CNR15M33L*
0.27	20%	1	250	0.034	1250	*LQH32CNR27M33L*
0.47	20%	1	150	0.042	1100	*LQH32CNR47M33L*
1.0	20%	1	100	0.060	1000	*LQH32CN1R0M33L*
2.2	20%	1	64	0.097	790	*LQH32CN2R2M33L*
4.7	20%	1	43	0.15	650	*LQH32CN4R7M33L*
10	10%	1	26	0.30	450	*LQH32CN100K33L*



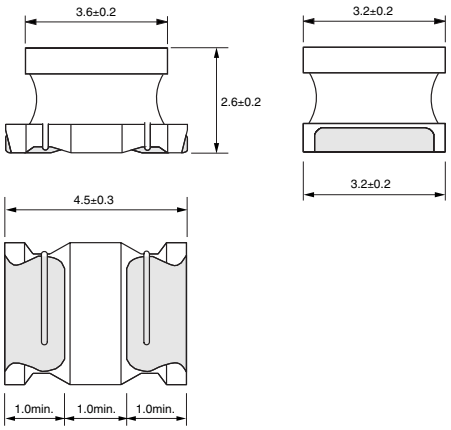
MURATA type LQH43C

A range of wirewound inductors offering higher current capacity in a 1812 package. Low DC resistance and high impedance make them suitable for use as a choke in DC power supply circuits. Supplied taped and reeled.

- Inductance values from **1µH to 470µH**
- Chip size **1812**
- Low DC resistance, higher current capacity & high impedance
- Ideal for DC power lines
- **Wirewound construction**
- No magnetic shield
- Rated up to **1080mA**
- Supplied taped & reeled

Dimensions (mm)

LQH43C (1812)



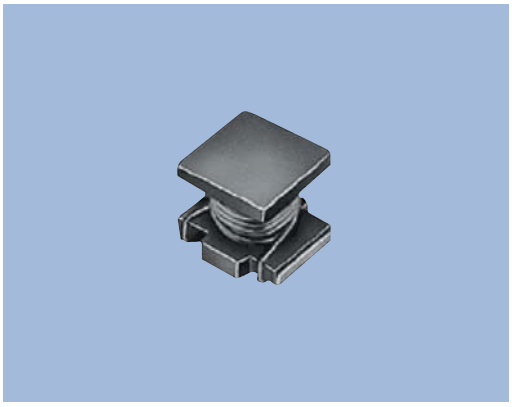
Specification	LQH43C
Inductance range	1µH to 470µH
Operating temperature range	-40°C to +85°C

Marking and Packaging	
Tape	12mm wide, 8mm pitch
Reel	180mm dia.

1812 size, type LQH43C

ORDER CODES

Value (µH)	Tolerance	Test Frequency (MHz)	SRF min. (MHz)	DC Resistance max. (Ω)	Current Rating (mA)	Order Code
1.0	20%	1	100	0.08	1080	*LQH43CN1R0M03L*
1.5	20%	1	85	0.09	1000	*LQH43CN1R5M03L*
2.2	20%	1	60	0.11	900	*LQH43CN2R2M03L*
3.3	20%	1	47	0.13	800	*LQH43CN3R3M03L*
4.7	20%	1	35	0.15	750	*LQH43CN4R7M03L*
6.8	20%	1	30	0.20	720	*LQH43CN6R8M03L*
10	10%	1	23	0.24	650	*LQH43CN100K03L*
15	10%	1	20	0.32	570	*LQH43CN150K03L*
22	10%	1	15	0.6	420	*LQH43CN220K03L*
33	10%	1	12	1.0	310	*LQH43CN330K03L*
47	10%	1	10	1.1	280	*LQH43CN470K03L*
68	10%	1	8.4	1.7	220	*LQH43CN680K03L*
100	10%	1	6.8	2.2	190	*LQH43CN101K03L*
150	10%	1	5.5	3.5	130	*LQH43CN151K03L*
220	10%	1	4.5	4.0	110	*LQH43CN221K03L*
330	10%	1	3.6	6.8	100	*LQH43CN331K03L*
470	10%	0.001	3.0	8.5	90	*LQH43CN471K03L*



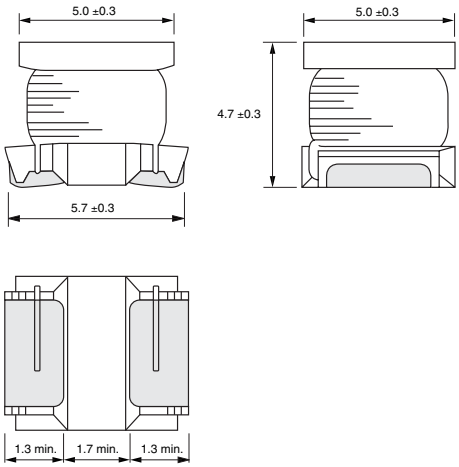
MURATA type LQH55D

A range of wirewound inductors offering high current capacity in a 2220 package. Low DC resistance and the high current ratings make them suitable for use in DC/DC converters and DC power supplies. Supplied taped and reeled.

- Inductance values from **0.12µH to 10000µH (10mH)**
- Chip size **2220**
- Low DC resistance, **high current capacity** and large inductance
- Ideal for DC/DC converters and DC power lines
- **Wirewound construction**
- No magnetic shield
- Rated up to **6A**
- Supplied taped & reeled

Dimensions (mm)

LQH55D (2220)



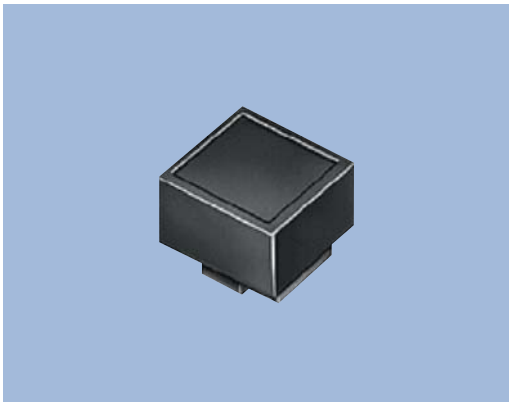
Specification	LQH55D
Inductance range	0.12µH to 10000µH (10mH)
Operating temperature range	-40°C to +80°C

Packaging	
Tape	12mm wide, 8mm pitch
Reel	180mm dia.

2220 size, type LQH55D

ORDER CODES

Value (µH)	Tolerance	Test Frequency (MHz)	SRF min. (MHz)	DC Resistance ±40% (Ω)	Current Rating (mA)	Order Code
0.12	20%	1	450	0.007	6000	*LQH55DNR12M03L*
0.27	20%	1	300	0.010	5300	*LQH55DNR27M03L*
0.47	20%	1	200	0.013	4800	*LQH55DNR47M03L*
1.0	20%	1	150	0.019	4000	*LQH55DN1R0M03L*
1.5	20%	1	110	0.022	3700	*LQH55DN1R5M03L*
2.2	20%	1	80	0.029	3200	*LQH55DN2R2M03L*
3.3	20%	1	40	0.036	2900	*LQH55DN3R3M03L*
4.7	20%	1	30	0.041	2700	*LQH55DN4R7M03L*
6.8	20%	1	25	0.074	2000	*LQH55DN6R8M03L*
10	20%	1	20	0.093	1700	*LQH55DN100M03L*
15	20%	1	17	0.15	1400	*LQH55DN150M03L*
22	20%	1	15	0.19	1200	*LQH55DN220M03L*
33	20%	1	12	0.32	900	*LQH55DN330M03L*
47	20%	1	10	0.40	800	*LQH55DN470M03L*
68	20%	1	7.6	0.67	640	*LQH55DN680M03L*
100	20%	0.1	6.5	0.86	560	*LQH55DN101M03L*
150	20%	0.1	5.0	1.9	420	*LQH55DN151M03L*
220	20%	0.1	4.0	2.4	320	*LQH55DN221M03L*
330	20%	0.1	3.1	4.4	270	*LQH55DN331M03L*
470	20%	0.1	2.4	5.4	240	*LQH55DN471M03L*
680	20%	0.1	1.9	8.1	190	*LQH55DN681M03L*
1000	20%	0.01	1.7	10.3	150	*LQH55DN102M03L*
2200	20%	0.01	1.2	21.5	100	*LQH55DN222M03L*
4700	20%	0.01	0.8	43.6	70	*LQH55DN472M03L*
10000 (10mH)	20%	0.01	0.5	100	50	*LQH53DN103M03L*



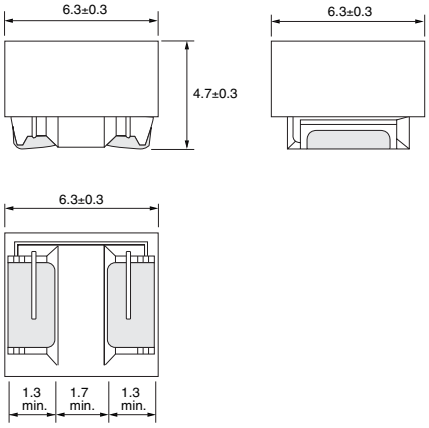
MURATA type LQH66S

A range of magnetically shielded wirewound inductors offering high current capacity in a 2525 package. Low DC resistance and the high current ratings make them ideal for use in DC/DC converters and DC power supplies. Supplied taped and reeled.

- Inductance values from **0.27µH to 10000µH (10mH)**
- Chip size **2525**
- Low DC resistance, **high current capacity** and large inductance
- Ideal for DC/DC coverters and DC power lines
- **Wirewound construction**
- **Magnetically shielded**
- Rated up to **6A**
- Supplied taped & reeled

Dimensions (mm)

LQH66S (2525)



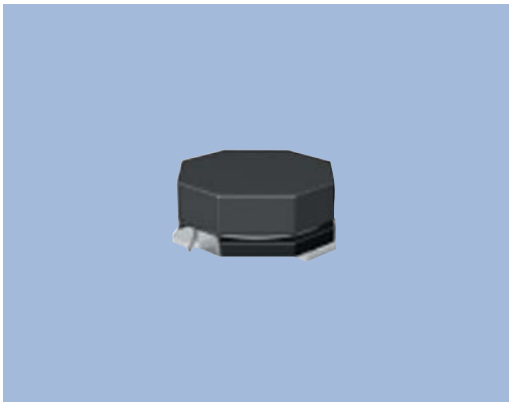
Specification	LQH66S
Inductance range	0.27µH to 10000µH (10mH)
Operating temperature range	-40°C to +80°C

Packaging	
Tape	12mm wide, 8mm pitch
Reel	180mm dia.

2525 size, type LQH66S

ORDER CODES

Value (µH)	Tolerance	Test Frequency (MHz)	SRF min. (MHz)	DC Resistance ±40% (Ω)	Current Rating (mA)	Order Code
0.27	20%	1	300	0.007	6000	*LQH66SNR27M03L*
0.68	20%	1	180	0.010	5300	*LQH66SNR68M03L*
1.0	20%	1	150	0.013	4700	*LQH66SN1R0M03L*
1.5	20%	1	110	0.016	3800	*LQH66SN1R5M03L*
2.2	20%	1	80	0.019	3300	*LQH66SN2R2M03L*
3.3	20%	1	40	0.022	2600	*LQH66SN3R3M03L*
4.7	20%	1	30	0.025	2200	*LQH66SN4R7M03L*
6.8	20%	1	25	0.029	1800	*LQH66SN6R8M03L*
10	20%	1	20	0.036	1600	*LQH66SN100M03L*
15	20%	1	17	0.069	1300	*LQH66SN150M03L*
22	20%	1	15	0.087	1100	*LQH66SN220M03L*
33	20%	1	12	0.14	860	*LQH66SN330M03L*
47	20%	1	10	0.17	760	*LQH66SN470M03L*
68	20%	1	7.6	0.29	600	*LQH66SN680M03L*
100	20%	0.1	6.5	0.36	520	*LQH66SN101M03L*
150	20%	0.1	5.0	0.63	420	*LQH66SN151M03L*
220	20%	0.1	4.0	0.79	350	*LQH66SN221M03L*
330	20%	0.1	3.2	1.8	280	*LQH66SN331M03L*
470	20%	0.1	2.5	2.2	240	*LQH66SN471M03L*
680	20%	0.1	2.0	3.9	200	*LQH66SN681M03L*
1000	20%	0.01	1.7	4.9	160	*LQH66SN102M03L*
2200	20%	0.01	1.2	9.4	100	*LQH66SN222M03L*
4700	20%	0.01	0.8	19.5	70	*LQH66SN472M03L*
10000 (10mH)	20%	0.01	0.5	39.7	50	*LQH66SN103M03L*

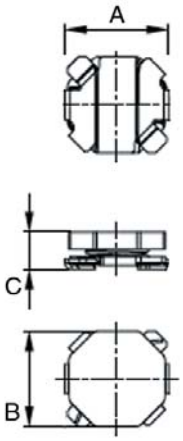


EPCOS types B82466G0, B82467G0, B82469G1

A range of low profile surface mount inductors, constructed using a special ferrite core shape, which are magnetically shielded. The series offers current ratings up to 2.8A to suit a wide variety of applications. Supplied taped and reeled.

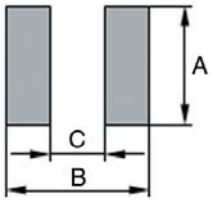
- Inductance values from **0.5µH to 22µH**
- **Magnetically shielded**
- Low profile
- **Ferrite core**
- Low DC resistance
- Rated up to **2.8A**
- Supplied taped & reeled

Dimensions (mm)



Type	A	B	C max.
B82466G0	2.0 ±0.2	2.0 ±0.2	1.0
B82467G0	2.8 ±0.2	2.6 ±0.2	1.0
B82469G1	3.8 ±0.2	3.6 ±0.2	1.2

Pad Pattern



Type	A	B	C
B82466G0	2.2	2.5	0.6
B82467G0	2.8	3.4	1.3
B82469G1	3.8	4.7	1.5

Specification	B8246xGx
Inductance range	0.5µH to 22µH
Inductance tolerance	As listed
Rated temperature	85°C

Packaging	
Tape	
B82466G0 & B82467G0	8mm wide, 4mm pitch
B82469G1	12mm wide, 8mm pitch
Reel	178mm dia.

Type B82466G0

ORDER CODES						
Value (µH)	Tolerance	Test Frequency (kHz)	Rated Current (A)	Saturation Current typ. (A)	DC Resistance typ. (Ω)	Order Code
0.56	20%	100	1.30	1.6	0.070	*B82466G0561M*
1.0	20%	100	1.05	1.2	0.105	*B82466G0102M*
1.5	20%	100	0.92	1.0	0.145	*B82466G0152M*
2.2	20%	100	0.77	0.85	0.205	*B82466G0222M*
2.7	20%	100	0.72	0.76	0.245	*B82466G0272M*
3.3	20%	100	0.67	0.72	0.265	*B82466G0332M*
4.7	20%	100	0.60	0.63	0.350	*B82466G0472M*
6.8	20%	100	0.49	0.51	0.515	*B82466G0682M*
10	20%	100	0.36	0.40	0.90	*B82466G0103M*
15	20%	100	0.27	0.32	1.52	*B82466G0153M*
22	20%	100	0.25	0.26	1.70	*B82466G0223M*

Type B82467G0

ORDER CODES						
Value (µH)	Tolerance	Test Frequency (kHz)	Rated Current (A)	Saturation Current typ. (A)	DC Resistance typ. (Ω)	Order Code
0.5	20%	100	2.25	2.0	0.03	*B82467G0501M*
1.0	20%	100	1.60	1.475	0.05	*B82467G0102M*
1.5	20%	100	1.25	1.15	0.075	*B82467G0152M*
2.2	20%	100	1.15	0.95	0.10	*B82467G0222M*
3.3	20%	100	0.93	0.775	0.165	*B82467G0332M*
4.7	20%	100	0.80	0.675	0.215	*B82467G0472M*
6.8	20%	100	0.67	0.58	0.29	*B82467G0682M*
10	20%	100	0.55	0.48	0.485	*B82467G0103M*
15	20%	100	0.46	0.37	0.69	*B82467G0153M*
22	20%	100	0.38	0.32	0.96	*B82467G0223M*

Type B82469G1

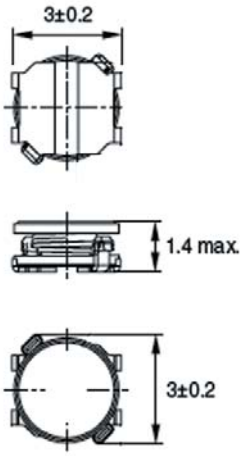
ORDER CODES						
Value (µH)	Tolerance	Test Frequency (kHz)	Rated Current (A)	Saturation Current typ. (A)	DC Resistance typ. (Ω)	Order Code
0.5	20%	100	2.8	3.0	0.024	*B82469G1501M*
1.0	20%	100	2.0	2.05	0.035	*B82469G1102M*
1.5	20%	100	1.7	1.80	0.046	*B82469G1152M*
2.2	20%	100	1.55	1.45	0.065	*B82469G1222M*
3.3	20%	100	1.3	1.15	0.085	*B82469G1332M*
4.7	20%	100	1.2	1.0	0.13	*B82469G1472M*
6.8	20%	100	0.9	0.80	0.17	*B82469G1682M*
10	20%	100	0.8	0.66	0.27	*B82469G1103M*
15	20%	100	0.6	0.59	0.37	*B82469G1153M*
22	20%	100	0.53	0.45	0.53	*B82469G1223M*

EPCOS type B82468A4

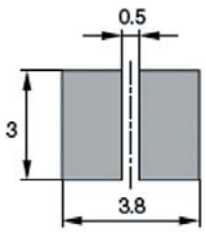
A range of low profile surface mount inductors constructed using a ferrite core. The series offers current ratings up to 1.95A to suit a wide variety of applications. Supplied taped and reeled.

- Inductance values from **1µH to 22µH**
- Low profile
- **Ferrite core**
- Low DC resistance
- Rated up to **1.95A**
- Supplied taped & reeled

Dimensions (mm)



Pad Pattern



Specification	B82468A4
Inductance range	1µH to 22µH
Inductance tolerance	As listed
Rated temperature	85°C

Packaging	
Tape	12mm wide, 8mm pitch
Reel	178mm dia.

Type B82468A4

ORDER CODES

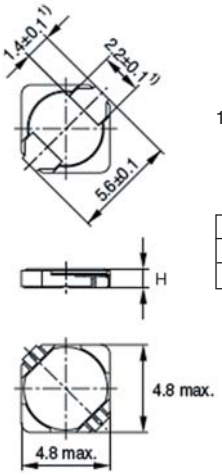
Value (µH)	Tolerance	Test Frequency (kHz)	Rated Current (A)	Saturation Current (A)	DC Resistance typ. (Ω)	Order Code
1.0	20%	100	1.95	2.95	0.051	***B82468A4102M***
1.5	20%	100	1.70	2.4	0.065	***B82468A4152M***
2.2	20%	100	1.48	2.1	0.087	***B82468A4222M***
3.3	20%	100	1.20	1.65	0.135	***B82468A4332M***
4.7	20%	100	1.03	1.3	0.185	***B82468A4472M***
6.8	20%	100	0.88	1.2	0.24	***B82468A4682M***
10	20%	100	0.75	0.95	0.33	***B82468A4103M***
15	20%	100	0.59	0.75	0.55	***B82468A4153M***
22	20%	100	0.48	0.65	0.81	***B82468A4223M***

EPCOS types B82470A0, B82470A1

A range of low profile surface mount inductors constructed using a ferrite core.
The series offers current ratings up to 1.8A and employs a plastic case for protection.
Supplied taped and reeled.

- Inductance values from **1µH to 47µH**
- Low profile
- Plastic case protection
- **Ferrite core**
- Low DC resistance
- Rated up to **1.8A**
- Supplied taped & reeled

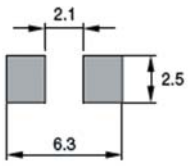
Dimensions (mm)



1) Soldering area

Type	Height (H) max.
B82470A0	1.04
B82470A1	1.2

Pad Pattern



Specification	B82470Ax
Inductance range	1µH to 47µH
Inductance tolerance	As listed
Rated temperature	85°C

Packaging	
Tape	12mm wide, 8mm pitch
Reel	178mm dia.

Type B82470A0

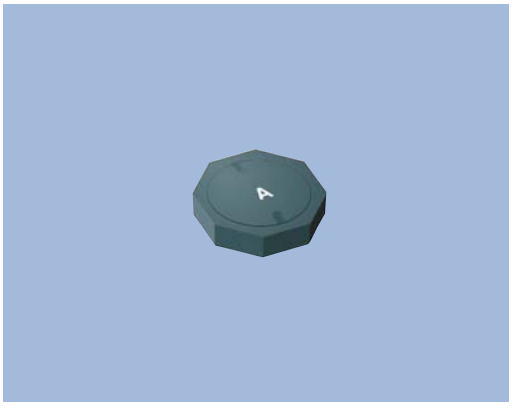
ORDER CODES

Value (µH)	Tolerance	Test Frequency (kHz)	Rated Current (A)	Saturation Current (A)	DC Resistance max. (Ω)	Order Code
1.0	20%	100	1.80	2.50	0.045	*B82470A0102M*
1.5	20%	100	1.62	2.25	0.056	*B82470A0152M*
2.2	20%	100	1.40	1.68	0.085	*B82470A0222M*
3.0	20%	100	1.15	1.60	0.112	*B82470A0302M*
4.7	20%	100	0.96	1.24	0.170	*B82470A0472M*
6.8	20%	100	0.85	0.98	0.225	*B82470A0682M*
10	20%	100	0.77	0.82	0.290	*B82470A0103M*
15	20%	100	0.59	0.64	0.475	*B82470A0153M*
22	20%	100	0.49	0.54	0.680	*B82470A0223M*
33	20%	100	0.38	0.42	1.10	*B82470A0333M*
47	20%	100	0.32	0.37	1.50	*B82470A0473M*

Type B82470A1

ORDER CODES

Value (µH)	Tolerance	Test Frequency (kHz)	Rated Current (A)	Saturation Current (A)	DC Resistance max. (Ω)	Order Code
1.0	20%	100	1.80	3.05	0.045	*B82470A1102M*
1.2	20%	100	1.60	2.75	0.060	*B82470A1122M*
2.2	20%	100	1.35	2.05	0.090	*B82470A1222M*
3.3	20%	100	1.10	1.80	0.120	*B82470A1332M*
4.7	20%	100	0.95	1.60	0.190	*B82470A1472M*
6.8	20%	100	0.85	1.15	0.228	*B82470A1682M*
10	20%	100	0.75	1.05	0.305	*B82470A1103M*
15	20%	100	0.58	0.75	0.480	*B82470A1153M*
22	20%	100	0.48	0.65	0.690	*B82470A1223M*
33	20%	100	0.38	0.53	1.10	*B82470A1333M*
47	20%	100	0.32	0.44	1.50	*B82470A1473M*

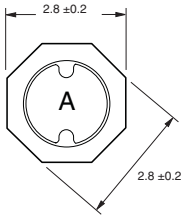


BOURNS type SRU20xx Series

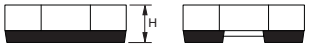
A range of surface mount power inductors in the same 2.8 x 2.8mm size package but offering a different height depending on current needs. The complete series are magnetically shielded. Supplied taped and reeled.

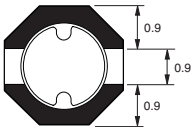
- Inductance values from **1µH to 100µH**
- **2.8 x 2.8mm** package size
- Choice of height
- **Ferrite core**
- **Magnetically shielded**
- Rated up to **2.2A**
- Supplied taped & reeled

Dimensions (mm)

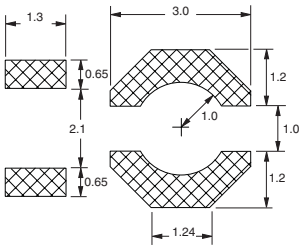


Type	Height (H) max.
SRU2009	1.0
SRU2011	1.2
SRU2013	1.5
SRU2016	1.8





Pad Pattern



Specification	SRU20xx
Inductance range	1µH to 100µH
Inductance tolerance	As listed
Operating temperature range	-40°C to +125°C

Packaging	
Tape	12mm wide, 8mm pitch
Reel	178mm dia.

Type SRU2009, height 1.0mm max.

ORDER CODES									
Value (µH)	Tolerance	Test Frequency (kHz)	Q Ref.	Test Frequency (MHz)	SRF typ. (MHz)	I rms max. (A)	I sat typ. (A)	RDC max. (Ω)	Order Code
1.0	30%	100	7	7.96	200	1.45	1.3	0.11	*SRU2009-1R0Y*
2.2	30%	100	7	7.96	120	1.1	0.8	0.21	*SRU2009-2R2Y*
3.3	30%	100	7	7.96	100	0.8	0.6	0.32	*SRU2009-3R3Y*
4.4	30%	100	7	7.96	85	0.68	0.5	0.43	*SRU2009-4R4Y*
6.8	30%	100	7	7.96	70	0.52	0.45	0.65	*SRU2009-6R8Y*
10	30%	100	10	2.52	50	0.40	0.35	1.08	*SRU2009-100Y*
15	30%	100	10	2.52	40	0.30	0.30	1.37	*SRU2009-150Y*
22	30%	100	10	2.52	30	0.22	0.22	2.60	*SRU2009-220Y*

Type SRU2011, height 1.2mm max.

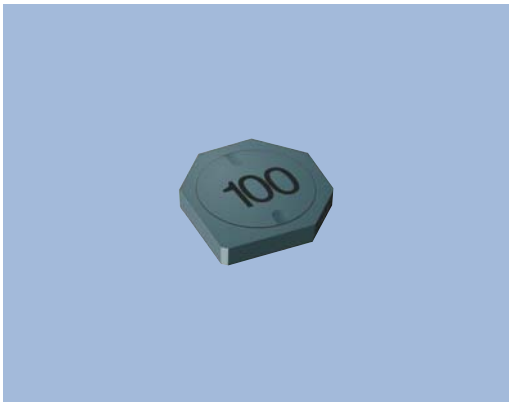
ORDER CODES									
Value (µH)	Tolerance	Test Frequency (kHz)	Q Ref.	Test Frequency (MHz)	SRF typ. (MHz)	I rms max. (A)	I sat typ. (A)	RDC max. (Ω)	Order Code
1.0	30%	100	6	7.96	160	1.65	1.5	0.10	*SRU2011-1R0Y*
2.2	30%	100	6	7.96	120	1.2	0.9	0.165	*SRU2011-2R2Y*
3.3	30%	100	6	7.96	80	0.9	0.76	0.24	*SRU2011-3R3Y*
4.7	30%	100	6	7.96	70	0.73	0.58	0.365	*SRU2011-4R7Y*
6.8	30%	100	6	7.96	60	0.70	0.54	0.45	*SRU2011-6R8Y*
10	30%	100	10	2.52	45	0.52	0.40	0.74	*SRU2011-100Y*
15	30%	100	10	2.52	40	0.38	0.34	1.20	*SRU2011-150Y*
22	30%	100	12	2.52	25	0.33	0.27	1.58	*SRU2011-220Y*
33	30%	100	12	2.52	24	0.23	0.22	2.86	*SRU2011-330Y*

Type SRU2013, height 1.5mm max.

ORDER CODES									
Value (µH)	Tolerance	Test Frequency (kHz)	Q Ref.	Test Frequency (MHz)	SRF typ. (MHz)	I rms max. (A)	I sat typ. (A)	RDC max. (Ω)	Order Code
1.0	30%	100	9	7.96	180	2.2	1.6	0.065	*SRU2013-1R0Y*
2.2	30%	100	10	7.96	100	1.45	0.95	0.12	*SRU2013-2R2Y*
3.3	30%	100	10	7.96	80	1.0	0.86	0.135	*SRU2013-3R3Y*
4.7	30%	100	10	7.96	72	0.9	0.75	0.22	*SRU2013-4R7Y*
6.8	30%	100	10	7.96	60	0.8	0.60	0.33	*SRU2013-6R8Y*
10	30%	100	12	2.52	40	0.67	0.45	0.52	*SRU2013-100Y*
15	30%	100	12	2.52	30	0.46	0.40	0.85	*SRU2013-150Y*
22	30%	100	12	2.52	25	0.40	0.35	0.88	*SRU2013-220Y*
33	30%	100	12	2.52	20	0.30	0.25	1.82	*SRU2013-330Y*
47	30%	100	14	2.52	15	0.25	0.23	2.86	*SRU2013-470Y*

Type SRU2016, height 1.8mm max.

ORDER CODES									
Value (µH)	Tolerance	Test Frequency (kHz)	Q Ref.	Test Frequency (MHz)	SRF typ. (MHz)	I rms max. (A)	I sat typ. (A)	RDC max. (Ω)	Order Code
1.0	30%	100	8	7.96	250	2.2	1.6	0.06	*SRU2016-1R0Y*
2.2	30%	100	8	7.96	120	1.6	1.0	0.105	*SRU2016-2R2Y*
3.0	30%	100	8	7.96	90	1.5	0.87	0.135	*SRU2016-3R0Y*
4.7	30%	100	8	7.96	80	1.15	0.74	0.215	*SRU2016-4R7Y*
6.0	30%	100	9	7.96	70	0.9	0.63	0.25	*SRU2016-6R0Y*
10	30%	100	9	2.52	45	0.87	0.52	0.43	*SRU2016-100Y*
15	30%	100	10	2.52	40	0.60	0.40	0.65	*SRU2016-150Y*
22	30%	100	12	2.52	30	0.43	0.37	0.99	*SRU2016-220Y*
33	30%	100	12	2.52	20	0.41	0.29	1.47	*SRU2016-330Y*
47	30%	100	15	2.52	20	0.31	0.22	1.65	*SRU2016-470Y*
68	30%	100	18	2.52	15	0.22	0.17	3.51	*SRU2016-680Y*
100	30%	100	8	2.52	10	0.19	0.15	4.90	*SRU2016-101Y*



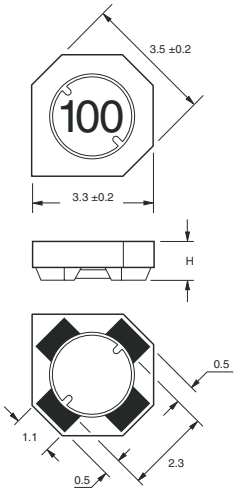
BOURNS type SRU30xx Series

A range of surface mount power inductors in the same 3.5 x 3.3mm size package but offering a different height depending on current needs. The complete series are magnetically shielded. Supplied taped and reeled.

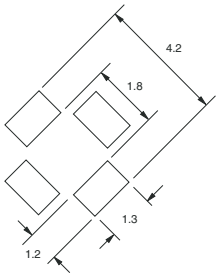
- Inductance values from **1.2µH to 100µH**
- **3.5 x 3.3mm** package size
- Choice of height
- **Ferrite core**
- **Magnetically shielded**
- Rated up to **1.85A**
- Supplied taped & reeled

Dimensions (mm)

Type	Height (H) max.
SRU3009	1.05
SRU3011	1.2
SRU3014	1.6
SRU3017	2.0
SRU3028	3.0



Pad Pattern



Specification	SRU30xx
Inductance range	1.2µH to 100µH
Inductance tolerance	As listed
Operating temperature range	-40°C to +125°C

Packaging	
Tape	12mm wide, 8mm pitch
Reel	178mm dia.

Type SRU3009, height 1.05mm max.

ORDER CODES									
Value (µH)	Tolerance	Test Frequency (kHz)	Q Ref.	Test Frequency (MHz)	SRF typ. (MHz)	I rms max. (A)	I sat typ. (A)	RDC max. (Ω)	Order Code
1.3	30%	100	10	7.96	210	1.0	1.1	0.115	*SRU3009-1R3Y*
2.2	30%	100	8.5	7.96	150	0.8	0.85	0.145	*SRU3009-2R2Y*
3.3	30%	100	8	7.96	130	0.65	0.72	0.225	*SRU3009-3R3Y*
4.7	30%	100	9	7.96	100	0.48	0.50	0.29	*SRU3009-4R7Y*
6.8	30%	100	8	7.96	85	0.40	0.43	0.50	*SRU3009-6R8Y*
10	30%	100	8.5	2.52	60	0.28	0.35	0.76	*SRU3009-100Y*
22	30%	100	20	2.52	40	0.22	0.25	1.45	*SRU3009-220Y*

Type SRU3011, height 1.2mm max.

ORDER CODES									
Value (µH)	Tolerance	Test Frequency (kHz)	Q Ref.	Test Frequency (MHz)	SRF typ. (MHz)	I rms max. (A)	I sat typ. (A)	RDC (Ω)	Order Code
1.5	30%	100	7	7.96	180	1.1	1.0	0.057	*SRU3011-1R5Y*
2.2	30%	100	7	7.96	150	0.92	0.9	0.080	*SRU3011-2R2Y*
3.3	30%	100	8	7.96	120	0.84	0.78	0.116	*SRU3011-3R3Y*
4.7	30%	100	8	7.96	90	0.63	0.62	0.178	*SRU3011-4R7Y*
6.8	30%	100	7	7.96	85	0.50	0.46	0.245	*SRU3011-6R8Y*
10	30%	100	8	2.52	60	0.40	0.35	0.34	*SRU3011-100Y*

Type SRU3014, height 1.6mm max.

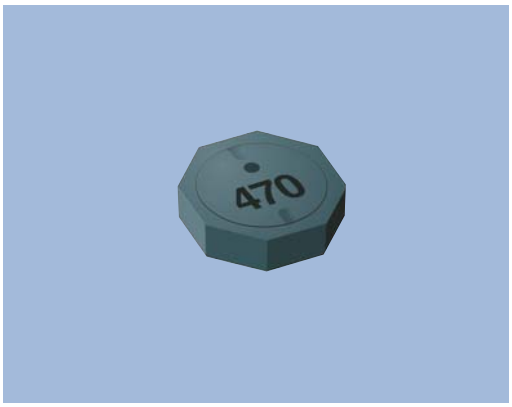
ORDER CODES									
Value (µH)	Tolerance	Test Frequency (kHz)	Q Ref.	Test Frequency (MHz)	SRF typ. (MHz)	I rms max. (A)	I sat typ. (A)	RDC max. (Ω)	Order Code
1.2	30%	100	12	7.96	150	1.85	1.9	0.055	*SRU3014-1R2Y*
1.5	30%	100	12	7.96	120	1.55	1.6	0.063	*SRU3014-1R5Y*
2.0	30%	100	10	7.96	110	1.1	1.3	0.095	*SRU3014-2R0Y*
3.0	30%	100	12	7.96	80	1.0	1.1	0.135	*SRU3014-3R0Y*
4.7	30%	100	15	7.96	70	0.82	0.92	0.165	*SRU3014-4R7Y*
6.8	30%	100	10	7.96	50	0.70	0.78	0.23	*SRU3014-6R8Y*
10	30%	100	30	2.52	40	0.64	0.66	0.29	*SRU3014-100Y*
15	30%	100	35	2.52	30	0.40	0.46	0.55	*SRU3014-150Y*
22	30%	100	35	2.52	25	0.32	0.36	0.875	*SRU3014-220Y*

Type SRU3017, height 2.0mm max.

ORDER CODES									
Value (µH)	Tolerance	Test Frequency (kHz)	Q Ref.	Test Frequency (MHz)	SRF typ. (MHz)	I rms max. (A)	I sat typ. (A)	RDC (Ω)	Order Code
2.2	30%	100	8	7.96	100	0.98	1.7	0.035	*SRU3017-2R2Y*
3.3	30%	100	8	7.96	80	0.80	1.45	0.055	*SRU3017-3R3Y*
4.7	30%	100	10	7.96	60	0.63	1.1	0.068	*SRU3017-4R7Y*
6.8	30%	100	10	7.96	50	0.53	1.0	0.085	*SRU3017-6R8Y*
10	30%	100	15	7.96	40	0.47	0.85	0.12	*SRU3017-100Y*
15	30%	100	20	2.52	35	0.35	0.68	0.175	*SRU3017-150Y*
22	30%	100	20	2.52	30	0.30	0.60	0.25	*SRU3017-220Y*
33	30%	100	20	2.52	20	0.25	0.47	0.43	*SRU3017-330Y*
47	30%	100	18	2.52	18	0.21	0.36	0.54	*SRU3017-470Y*

Type SRU3028, height 3.0mm max.

ORDER CODES									
Value (µH)	Tolerance	Test Frequency (kHz)	Q Ref.	Test Frequency (MHz)	SRF typ. (MHz)	I rms max. (A)	I sat typ. (A)	RDC (Ω)	Order Code
10	30%	100	20	7.96	35	0.72	0.86	0.16	*SRU3028-100Y*
15	30%	100	18	2.52	25	0.66	0.72	0.23	*SRU3028-150Y*
22	30%	100	18	2.52	15	0.60	0.62	0.27	*SRU3028-220Y*
33	30%	100	20	2.52	10	0.47	0.48	0.45	*SRU3028-330Y*
47	30%	100	20	2.52	8	0.32	0.38	0.815	*SRU3028-470Y*
68	30%	100	20	2.52	7	0.24	0.28	1.40	*SRU3028-680Y*
100	30%	100	20	0.796	5	0.19	0.21	2.20	*SRU3028-101Y*

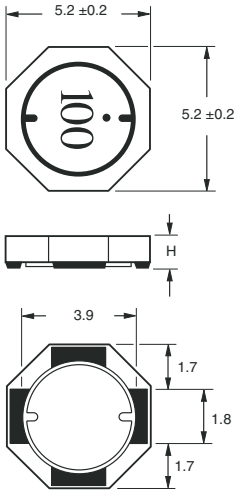


BOURNS type SRU50xx Series

A range of surface mount power inductors in the same 5.2 x 5.2mm size package but offering a different height depending on current needs. The complete series are magnetically shielded. Supplied taped and reeled.

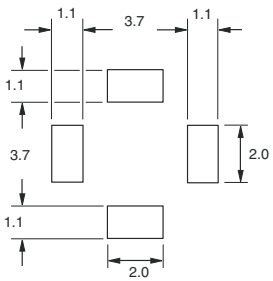
- Inductance values from **1µH to 100µH**
- **5.2 x 5.2mm** package size
- Choice of height
- **Ferrite core**
- **Magnetically shielded**
- Rated up to **3.5A**
- Supplied taped & reeled

Dimensions (mm)



Type	Height (H) Max.
SRU5011	1.2
SRU5016	1.8
SRU5018	2.0
SRU5028	3.0

Pad Pattern



Specification	SRU50xx
Inductance range	1µH to 100µH
Inductance tolerance	As listed
Operating temperature range	-40°C to +125°C

Packaging	
Tape	12mm wide, 8mm pitch
Reel	178mm dia.

Type SRU5011, height 1.2mm max.

ORDER CODES									
Value (µH)	Tolerance	Test Frequency (kHz)	Q Ref.	Test Frequency (MHz)	SRF min. (MHz)	I rms max. (A)	I sat typ. (A)	RDC (Ω)	Order Code
1.5	30%	100	8	7.96	195	1.8	1.5	0.032	SRU5011-1R5Y
2.5	30%	100	8	7.96	125	1.3	1.1	0.052	SRU5011-2R5Y
3.3	30%	100	8	7.96	110	1.15	0.94	0.066	SRU5011-3R3Y
4.7	30%	100	8	7.96	85	1.0	0.82	0.095	SRU5011-4R7Y
6.8	30%	100	8	7.96	70	0.82	0.68	0.13	SRU5011-6R8Y
10	30%	100	12	7.96	50	0.70	0.58	0.17	SRU5011-100Y
15	30%	100	12	2.52	42	0.60	0.48	0.25	SRU5011-150Y
22	30%	100	14	2.52	38	0.50	0.40	0.38	SRU5011-220Y
33	30%	100	14	2.52	30	0.38	0.30	0.55	SRU5011-330Y
47	30%	100	16	2.52	25	0.32	0.26	0.80	SRU5011-470Y
68	30%	100	14	2.52	20	0.26	0.22	1.24	SRU5011-680Y
100	30%	100	30	0.796	15	0.20	0.18	1.60	SRU5011-101Y

Type SRU5016, height 1.8mm max.

ORDER CODES									
Value (µH)	Tolerance	Test Frequency (kHz)	Q Ref.	Test Frequency (MHz)	SRF min. (MHz)	I rms max. (A)	I sat typ. (A)	RDC (Ω)	Order Code
1.8	30%	100	9	7.96	100	1.75	1.7	0.024	SRU5016-1R8Y
3.3	30%	100	9	7.96	80	1.55	1.5	0.035	SRU5016-3R3Y
4.7	30%	100	9	7.96	60	1.3	1.2	0.043	SRU5016-4R7Y
6.8	30%	100	8	7.96	50	1.2	1.1	0.050	SRU5016-6R8Y
10	30%	100	15	2.52	40	1.0	0.9	0.084	SRU5016-100Y
15	30%	100	15	2.52	32	0.8	0.72	0.13	SRU5016-150Y
22	30%	100	15	2.52	28	0.65	0.56	0.195	SRU5016-220Y
33	30%	100	13	2.52	22	0.54	0.50	0.30	SRU5016-330Y
47	30%	100	18	2.52	18	0.46	0.42	0.39	SRU5016-470Y
68	30%	100	18	2.52	15	0.36	0.33	0.56	SRU5016-680Y
100	30%	100	18	0.796	12	0.30	0.27	0.85	SRU5016-101Y

Type SRU5018, height 2.0mm max.

ORDER CODES									
Value (µH)	Tolerance	Test Frequency (kHz)	Q Ref.	Test Frequency (MHz)	SRF min. (MHz)	I rms max. (A)	I sat typ. (A)	RDC (Ω)	Order Code
1.0	30%	100	9	7.96	200	2.8	2.85	0.0125	SRU5018-1R0Y
1.5	30%	100	9	7.96	160	2.5	2.4	0.0155	SRU5018-1R5Y
2.2	30%	100	10	7.96	130	2.3	2.1	0.0205	SRU5018-2R2Y
3.5	30%	100	9	7.96	90	2.1	1.7	0.032	SRU5018-3R5Y
4.7	30%	100	8.5	7.96	80	2.0	1.55	0.036	SRU5018-4R7Y
6.8	30%	100	7.5	7.96	60	1.45	1.2	0.050	SRU5018-6R8Y
10	30%	100	12	2.52	50	1.25	1.05	0.065	SRU5018-100Y
15	30%	100	12	2.52	40	0.95	0.80	0.10	SRU5018-150Y
22	30%	100	12	2.52	28	0.68	0.65	0.16	SRU5018-220Y
33	30%	100	13	2.52	23	0.66	0.56	0.22	SRU5018-330Y
47	30%	100	13	2.52	18	0.54	0.45	0.33	SRU5018-470Y
68	30%	100	12	2.52	16	0.37	0.36	0.48	SRU5018-680Y
100	30%	100	15	0.796	15	0.32	0.31	0.62	SRU5018-101Y

Type SRU5028, height 3.0mm max.

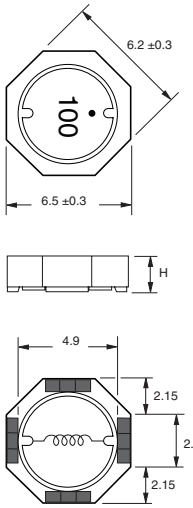
ORDER CODES									
Value (µH)	Tolerance	Test Frequency (kHz)	Q Ref.	Test Frequency (MHz)	SRF min. (MHz)	I rms max. (A)	I sat typ. (A)	RDC (Ω)	Order Code
1.2	30%	100	10	7.96	200	3.5	3.4	0.0168	SRU5028-1R2Y
2.2	30%	100	10	7.96	130	3.2	2.5	0.021	SRU5028-2R2Y
3.3	30%	100	10	7.96	90	2.8	2.1	0.024	SRU5028-3R3Y
4.7	30%	100	9	7.96	50	2.2	1.85	0.032	SRU5028-4R7Y
6.8	30%	100	10	7.96	55	2.0	1.55	0.042	SRU5028-6R8Y
10	30%	100	18	2.52	25	1.8	1.4	0.063	SRU5028-100Y
15	30%	100	18	2.52	23	1.1	1.0	0.108	SRU5028-150Y
22	30%	100	15	2.52	18	0.95	0.85	0.162	SRU5028-220Y
33	30%	100	15	2.52	16	0.80	0.68	0.203	SRU5028-330Y
47	30%	100	13	2.52	13	0.70	0.62	0.285	SRU5028-470Y
68	30%	100	13	2.52	10	0.56	0.46	0.450	SRU5028-680Y
100	30%	100	15	0.796	8	0.47	0.42	0.625	SRU5028-101Y

BOURNS type SRU60xx Series

A range of surface mount power inductors in the same 6.5 x 6.2mm size package but offering a different height depending on current needs. The complete series are magnetically shielded. Supplied taped and reeled.

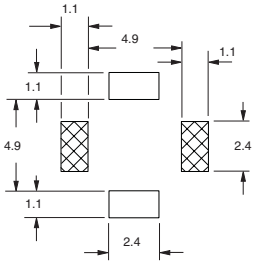
- Inductance values from **1µH to 220µH**
- **6.5 x 6.2mm** package size
- Choice of height
- **Ferrite core**
- **Magnetically shielded**
- Rated up to **4A**
- Supplied taped & reeled

Dimensions (mm)



Type	Height (H) max.
SRU6011	1.25
SRU6013	1.6
SRU6018	2.0
SRU6025	2.8

Pad Pattern



Specification	SRU60xx
Inductance range	1µH to 220µH
Inductance tolerance	As listed
Operating temperature range	-40°C to +125°C

Packaging	
Tape	12mm wide, 8mm pitch
Reel	178mm dia.

Type SRU6011, height 1.25mm max.

ORDER CODES									
Value (µH)	Tolerance	Test Frequency (kHz)	Q Ref.	Test Frequency (MHz)	SRF typ. (MHz)	I rms max. (A)	I sat typ. (A)	RDC max. (Ω)	Order Code
1.4	30%	100	8	7.96	140	2.6	1.8	0.040	*SRU6011-1R4Y*
2.7	30%	100	8	7.96	100	2.2	1.45	0.062	*SRU6011-2R7Y*
4.7	30%	100	8	7.96	70	1.8	1.1	0.086	*SRU6011-4R7Y*
6.8	30%	100	7	7.96	55	1.4	0.9	0.136	*SRU6011-6R8Y*
10	30%	100	12	2.52	45	1.1	0.72	0.22	*SRU6011-100Y*
15	30%	100	10	2.52	32	0.95	0.62	0.32	*SRU6011-150Y*
22	30%	100	10	2.52	26	0.80	0.48	0.39	*SRU6011-220Y*
33	30%	100	10	2.52	22	0.68	0.38	0.56	*SRU6011-330Y*
47	30%	100	10	2.52	20	0.55	0.32	0.85	*SRU6011-470Y*
68	30%	100	12	2.52	18	0.46	0.28	1.20	*SRU6011-680Y*

Type SRU6013, height 1.6mm max.

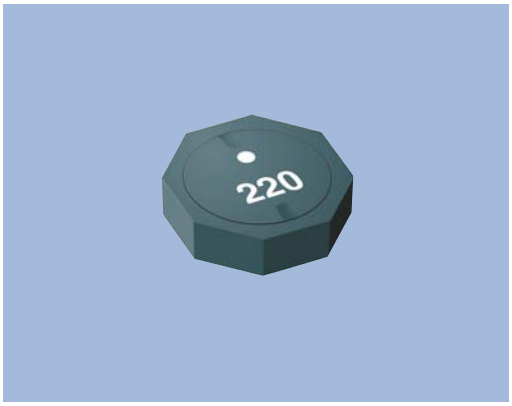
ORDER CODES									
Value (µH)	Tolerance	Test Frequency (kHz)	Q Ref.	Test Frequency (MHz)	SRF typ. (MHz)	I rms max. (A)	I sat typ. (A)	RDC max. (Ω)	Order Code
1.0	30%	100	12	7.96	100	3.2	2.9	0.036	*SRU6013-1R0Y*
1.5	30%	100	10	7.96	90	3.0	2.4	0.040	*SRU6013-1R5Y*
2.2	30%	100	10	7.96	80	2.5	2.1	0.050	*SRU6013-2R2Y*
3.3	30%	100	10	7.96	70	2.35	1.75	0.060	*SRU6013-3R3Y*
4.2	30%	100	10	7.96	55	2.1	1.5	0.075	*SRU6013-4R2Y*
6.4	30%	100	10	7.96	45	1.7	1.3	0.11	*SRU6013-6R4Y*
10	30%	100	14	2.52	35	1.4	1.0	0.165	*SRU6013-100Y*
15	30%	100	12	2.52	26	1.1	0.8	0.235	*SRU6013-150Y*
22	30%	100	12	2.52	22	0.95	0.72	0.325	*SRU6013-220Y*
33	30%	100	10	2.52	18	0.78	0.58	0.50	*SRU6013-330Y*
47	30%	100	10	2.52	14	0.66	0.50	0.675	*SRU6013-470Y*
68	30%	100	10	2.52	10	0.60	0.40	0.90	*SRU6013-680Y*

Type SRU6018, height 2.0mm max.

ORDER CODES									
Value (µH)	Tolerance	Test Frequency (kHz)	Q Ref.	Test Frequency (MHz)	SRF typ. (MHz)	I rms max. (A)	I sat typ. (A)	RDC max. (Ω)	Order Code
1.2	30%	100	8	7.96	130	3.6	2.8	0.025	*SRU6018-1R2Y*
1.8	30%	100	8	7.96	90	3.0	2.3	0.028	*SRU6018-1R8Y*
3.3	30%	100	8	7.96	60	2.5	1.7	0.036	*SRU6018-3R3Y*
4.7	30%	100	8	7.96	50	2.2	1.4	0.042	*SRU6018-4R7Y*
6.8	30%	100	8	7.96	40	1.9	1.2	0.060	*SRU6018-6R8Y*
10	30%	100	12	2.52	30	1.7	1.0	0.088	*SRU6018-100Y*
15	30%	100	12	2.52	24	1.5	0.8	0.13	*SRU6018-150Y*
22	30%	100	14	2.52	18	1.2	0.65	0.19	*SRU6018-220Y*
33	30%	100	10	2.52	16	1.0	0.58	0.255	*SRU6018-330Y*
47	30%	100	12	2.52	14	0.8	0.46	0.41	*SRU6018-470Y*
68	30%	100	12	2.52	12	0.62	0.36	0.60	*SRU6018-680Y*
100	30%	100	20	2.52	9	0.50	0.34	0.715	*SRU6018-101Y*

Type SRU6025, height 2.8mm max.

ORDER CODES									
Value (µH)	Tolerance	Test Frequency (kHz)	Q Ref.	Test Frequency (MHz)	SRF typ. (MHz)	I rms max. (A)	I sat typ. (A)	RDC max. (Ω)	Order Code
1.2	30%	100	8	7.96	120	4.0	3.2	0.019	*SRU6025-1R2Y*
2.2	30%	100	8	7.96	65	3.4	2.35	0.024	*SRU6025-2R2Y*
3.3	30%	100	8	7.96	50	3.2	2.0	0.027	*SRU6025-3R3Y*
4.7	30%	100	8	7.96	42	2.7	1.55	0.035	*SRU6025-4R7Y*
6.8	30%	100	8	7.96	36	2.4	1.30	0.042	*SRU6025-6R8Y*
8.2	30%	100	8	7.96	30	2.2	1.25	0.052	*SRU6025-8R2Y*
10	30%	100	8	7.96	25	2.0	1.05	0.057	*SRU6025-100Y*
15	30%	100	12	2.52	22	1.8	0.92	0.086	*SRU6025-150Y*
22	30%	100	12	2.52	18	1.6	0.70	0.13	*SRU6025-220Y*
33	30%	100	12	2.52	12	1.2	0.64	0.18	*SRU6025-330Y*
47	30%	100	12	2.52	10	1.0	0.48	0.25	*SRU6025-470Y*
68	30%	100	10	2.52	8	0.8	0.40	0.365	*SRU6025-680Y*
100	30%	100	24	2.52	7	0.7	0.35	0.50	*SRU6025-101Y*
150	30%	100	30	2.52	5	0.54	0.28	0.77	*SRU6025-151Y*
220	30%	100	20	2.52	4	0.42	0.24	1.25	*SRU6025-221Y*

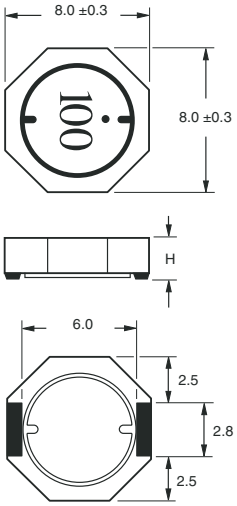


BOURNS type SRU80xx Series

A range of surface mount power inductors in the same 8.0 x 8.0mm size package but offering a different height depending on current needs. The complete series are magnetically shielded. Supplied taped and reeled.

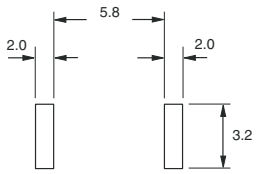
- Inductance values from **2.2µH to 100µH**
- **8.0 x 8.0mm** package size
- Choice of height
- **Ferrite core**
- **Magnetically shielded**
- Rated up to **5.4A**
- Supplied taped & reeled

Dimensions (mm)



Type	Height (H) max.
SRU8028	1.25
SRU8043	1.6

Pad Pattern



Specification	SRU80xx
Inductance range	2.2µH to 100µH
Inductance tolerance	As listed
Operating temperature range	-40°C to +125°C

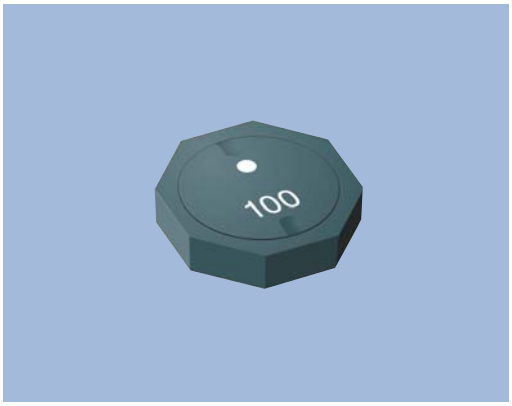
Packaging		
Tape		
	SRU8028	24mm wide, 12mm pitch
	SRU8043	16mm wide, 12mm pitch
Reel		330mm dia.

Type SRU8028, height 1.25mm max.

ORDER CODES									
Value (µH)	Tolerance	Test Frequency (kHz)	Q Ref.	Test Frequency (MHz)	SRF min. (MHz)	I rms max. (A)	I sat typ. (A)	RDC (Ω)	Order Code
2.5	30%	100	15	7.96	65	4.5	4.2	0.0136	***SRU8028-2R5Y***
3.3	30%	100	12	7.96	60	3.6	3.5	0.0175	***SRU8028-3R3Y***
4.7	30%	100	15	7.96	50	3.7	3.2	0.020	***SRU8028-4R7Y***
8.2	30%	100	17	7.96	37	2.6	2.3	0.054	***SRU8028-8R2Y***
6.8	30%	100	13	7.96	40	2.8	2.5	0.034	***SRU8028-6R8Y***
10	30%	100	22	2.52	35	2.6	2.2	0.045	***SRU8028-100Y***
12	30%	100	21	2.52	30	2.2	2.0	0.076	***SRU8028-120Y***
15	30%	100	20	2.52	25	2.0	1.7	0.066	***SRU8028-150Y***
22	30%	100	22	2.52	20	1.6	1.5	0.106	***SRU8028-220Y***
33	30%	100	20	2.52	15	1.3	1.1	0.147	***SRU8028-330Y***
47	30%	100	14	2.52	12	1.2	1.0	0.177	***SRU8028-470Y***
68	30%	100	23	2.52	9	0.85	0.8	0.317	***SRU8028-680Y***
100	30%	100	35	0.796	8	0.75	0.7	0.39	***SRU8028-101Y***

Type SRU8043, height 1.6mm max.

ORDER CODES									
Value (µH)	Tolerance	Test Frequency (kHz)	Q Ref.	Test Frequency (MHz)	SRF min. (MHz)	I rms max. (A)	I sat typ. (A)	RDC (Ω)	Order Code
2.2	30%	100	15	7.96	65	5.4	5.2	0.0112	***SRU8043-2R2Y***
3.9	30%	100	15	7.96	42	4.8	4.0	0.0146	***SRU8043-3R9Y***
4.7	30%	100	13	7.96	36	4.6	3.6	0.0170	***SRU8043-4R7Y***
6.8	30%	100	12	7.96	30	3.8	3.1	0.0224	***SRU8043-6R8Y***
10	30%	100	27	2.52	20	3.5	2.7	0.030	***SRU8043-100Y***
12	30%	100	15	2.52	15	2.8	2.2	0.039	***SRU8043-120Y***
15	30%	100	26	2.52	15	2.7	2.0	0.046	***SRU8043-150Y***
18	30%	100	15	2.52	15	2.3	1.7	0.062	***SRU8043-180Y***
22	30%	100	24	2.52	12	2.2	1.7	0.0725	***SRU8043-220Y***
27	30%	100	17	2.52	12	1.8	1.55	0.084	***SRU8043-270Y***
33	30%	100	21	2.52	11	1.7	1.4	0.10	***SRU8043-330Y***
47	30%	100	21	2.52	9	1.5	1.2	0.12	***SRU8043-470Y***
68	30%	100	20	2.52	7	1.2	1.0	0.192	***SRU8043-680Y***
100	30%	100	50	0.796	6	1.0	0.8	0.287	***SRU8043-101Y***

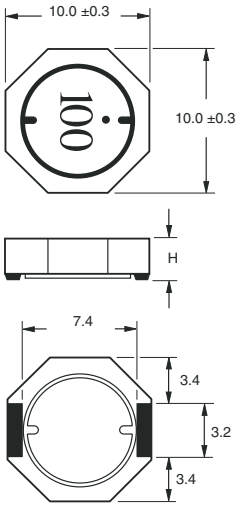


BOURNS type SRU10xx Series

A range of surface mount power inductors in the same 10 x 10mm size package but offering a different height depending on current needs. The complete series are magnetically shielded. Supplied taped and reeled.

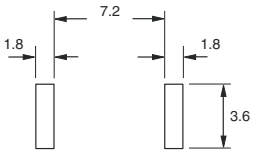
- Inductance values from **0.8µH to 330µH**
- **10 x 10mm** package size
- Choice of height
- **Ferrite core**
- **Magnetically shielded**
- Rated up to **7.8A**
- Supplied taped & reeled

Dimensions (mm)



Type	Height (H) max.
SRU1028	3.1
SRU1038	4.1
SRU1048	5.1

Pad Pattern



Specification	SRU10xx
Inductance range	0.8µH to 330µH
Inductance tolerance	As listed
Operating temperature range	-40°C to +125°C

Packaging	
Tape	24mm wide, 16mm pitch
Reel	330mm dia.

Type SRU1028, height 3.1mm max.

ORDER CODES

Value (µH)	Tolerance	Test Frequency (kHz)	Q Ref.	Test Frequency (MHz)	SRF min. (MHz)	I rms max. (A)	I sat typ. (A)	RDC (Ω)	Order Code
1.0	30%	100	14	7.96	100	7.0	8.0	0.0049	*SRU1028-1R0Y*
1.5	30%	100	12	7.96	80	6.5	6.5	0.0073	*SRU1028-1R5Y*
2.2	30%	100	12	7.96	65	5.3	4.8	0.011	*SRU1028-2R2Y*
3.3	30%	100	14	7.96	55	4.6	4.3	0.015	*SRU1028-3R3Y*
4.7	30%	100	12	7.96	40	4.5	3.8	0.016	*SRU1028-4R7Y*
6.8	30%	100	12	7.96	30	3.5	3.0	0.025	*SRU1028-6R8Y*
8.2	30%	100	12	7.96	28	3.3	2.7	0.028	*SRU1028-8R2Y*
10	30%	100	20	7.96	25	2.8	2.4	0.040	*SRU1028-100Y*
12	30%	100	22	2.52	23	2.4	2.3	0.070	*SRU1028-120Y*
15	30%	100	26	2.52	22	2.0	2.0	0.069	*SRU1028-150Y*
22	30%	100	26	2.52	16	1.6	1.4	0.104	*SRU1028-220Y*
33	30%	100	24	2.52	12	1.25	1.2	0.139	*SRU1028-330Y*
47	30%	100	20	2.52	11	1.3	1.1	0.167	*SRU1028-470Y*
56	30%	100	22	2.52	10	1.1	1.0	0.208	*SRU1028-560Y*
68	30%	100	20	2.52	9	1.0	0.9	0.232	*SRU1028-680Y*
82	30%	100	20	2.52	8	0.9	0.85	0.323	*SRU1028-820Y*
100	30%	100	20	0.796	7	0.85	0.8	0.365	*SRU1028-101Y*
120	30%	100	18	0.796	6	0.65	0.7	0.428	*SRU1028-121Y*
150	30%	100	18	0.796	5	0.7	0.65	0.518	*SRU1028-151Y*

Type SRU1038, height 4.1mm max.

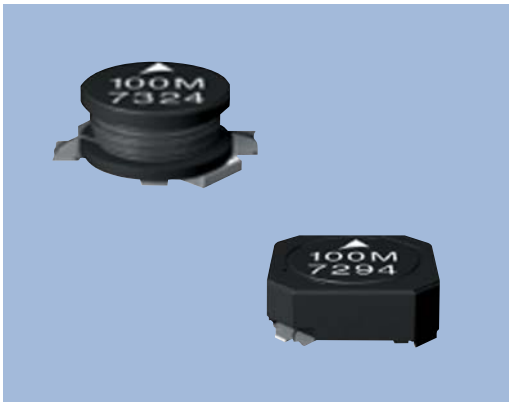
ORDER CODES

Value (µH)	Tolerance	Test Frequency (kHz)	Q Ref.	Test Frequency (MHz)	SRF min. (MHz)	I rms max. (A)	I sat typ. (A)	RDC (Ω)	Order Code
1.5	30%	100	14	7.96	65	7.2	7.0	0.0052	*SRU1038-1R5Y*
2.2	30%	100	12	7.96	55	6.8	6.5	0.0077	*SRU1038-2R2Y*
2.5	30%	100	12	7.96	50	6.1	6.0	0.0125	*SRU1038-2R5Y*
3.5	30%	100	14	7.96	35	5.5	5.5	0.0115	*SRU1038-3R5Y*
3.8	30%	100	14	7.96	35	5.5	5.5	0.015	*SRU1038-3R8Y*
5.0	30%	100	12	7.96	30	4.6	4.8	0.0145	*SRU1038-5R0Y*
5.2	30%	100	12	7.96	30	4.6	4.8	0.022	*SRU1038-5R2Y*
6.2	30%	100	12	7.96	25	4.0	4.2	0.0165	*SRU1038-6R2Y*
7.0	30%	100	13	7.96	36	3.9	4.0	0.035	*SRU1038-7R0Y*
10	30%	100	24	7.96	20	3.8	3.6	0.025	*SRU1038-100Y*
15	30%	100	24	2.52	16	2.8	2.7	0.037	*SRU1038-150Y*
22	30%	100	20	2.52	12	2.2	2.3	0.0558	*SRU1038-220Y*
33	30%	100	22	2.52	10	1.8	1.8	0.086	*SRU1038-330Y*
47	30%	100	22	2.52	8	1.65	1.6	0.121	*SRU1038-470Y*
68	30%	100	24	2.52	7	1.1	1.3	0.166	*SRU1038-680Y*
100	30%	100	24	0.796	6	1.3	1.1	0.220	*SRU1038-101Y*
150	30%	100	20	0.796	5	0.9	0.8	0.358	*SRU1038-151Y*
220	30%	100	22	0.796	4	0.65	0.65	0.565	*SRU1038-221Y*
330	30%	100	20	0.796	3	0.55	0.52	0.773	*SRU1038-331Y*

Type SRU1048, height 5.1mm max.

ORDER CODES

Value (µH)	Tolerance	Test Frequency (kHz)	Q Ref.	Test Frequency (MHz)	SRF min. (MHz)	I rms min. (A)	I sat typ. (A)	RDC (Ω)	Order Code
0.8	30%	100	8	7.96	100	7.8	8.5	0.0036	*SRU1048-R80Y*
1.5	30%	100	14	7.96	70	7.0	7.2	0.0043	*SRU1048-1R5Y*
2.2	30%	100	14	7.96	55	6.5	6.3	0.0053	*SRU1048-2R2Y*
3.0	30%	100	14	7.96	40	6.2	6.0	0.0072	*SRU1048-3R0Y*
4.7	30%	100	12	7.96	30	5.5	4.75	0.0095	*SRU1048-4R7Y*
6.8	30%	100	10	7.96	20	4.8	4.1	0.0136	*SRU1048-6R8Y*
8.2	30%	100	8	7.96	18	4.6	3.8	0.015	*SRU1048-8R2Y*
10	30%	100	26	7.96	16	4.5	3.7	0.0185	*SRU1048-100Y*
12	30%	100	26	2.52	15	4.0	3.3	0.025	*SRU1048-120Y*
15	30%	100	30	2.52	14	3.2	2.7	0.029	*SRU1048-150Y*
22	30%	100	22	2.52	12	2.6	2.0	0.042	*SRU1048-220Y*
33	30%	100	24	2.52	10	2.1	1.7	0.063	*SRU1048-330Y*
47	30%	100	26	2.52	8	1.7	1.5	0.094	*SRU1048-470Y*
56	30%	100	26	2.52	7	1.6	1.4	0.110	*SRU1048-560Y*
68	30%	100	24	2.52	6	1.4	1.25	0.127	*SRU1048-680Y*
82	30%	100	24	2.52	5.5	1.3	1.1	0.149	*SRU1048-820Y*
100	30%	100	26	0.796	5	1.2	1.0	0.16	*SRU1048-101Y*
150	30%	100	24	0.796	4.5	1.0	0.8	0.235	*SRU1048-151Y*
220	30%	100	20	0.796	4	0.8	0.7	0.35	*SRU1048-221Y*
330	30%	100	18	0.796	3	0.65	0.52	0.49	*SRU1048-331Y*



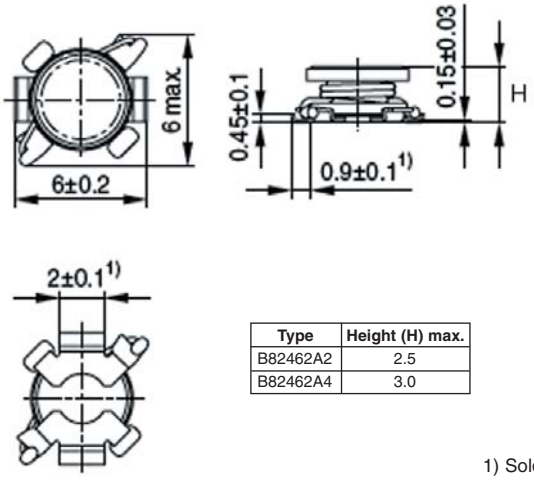
EPCOS types B82462A2&4, B82462G2&4

A range of surface mount power inductors, available in an unshielded or shielded design with the option of a lower profile package. The series can offer up to 3.45A current rating as well as low DC resistance. All parts are constructed using a ferrite core and enamel copper wire which is soldered to the terminal. Supplied taped and reeled.

- Inductance values from **0.82µH to 1000µH**
- Choice of unshielded or shielded
- Lower profile option
- **Ferrite core**
- Low DC resistance
- Rated up to **3.45A**
- Wide range of applications
- Supplied taped & reeled

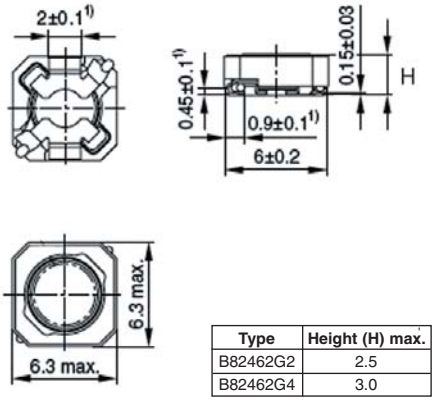
Dimensions (mm)

B82462Ax (Unshielded)



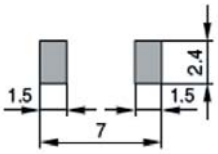
Type	Height (H) max.
B82462A2	2.5
B82462A4	3.0

B82462Gx (Shielded)



Type	Height (H) max.
B82462G2	2.5
B82462G4	3.0

Pad Pattern



1) Soldering area

Specification	B82462xx
Inductance range	0.82µH to 1000µH
Inductance tolerance	As listed
Rated temperature	85°C

Packaging	
Tape	12mm wide, 8mm pitch
Reel	330mm dia.

Type B82462A2, Unshielded, Lower Profile

ORDER CODES

Value (µH)	Tolerance	Test Frequency (kHz)	Rated Current (A)	Saturation Current (A)	DC Resistance max. (Ω)	Order Code
1.0	20%	100	3.0	5.1	0.024	*B82462A2102M*
1.5	20%	100	2.55	3.7	0.032	*B82462A2152M*
2.2	20%	100	2.1	3.1	0.048	*B82462A2222M*
3.3	20%	100	1.8	2.6	0.065	*B82462A2332M*
4.7	20%	100	1.55	2.0	0.084	*B82462A2472M*
6.8	20%	100	1.28	1.55	0.125	*B82462A2682M*
10	20%	100	1.03	1.35	0.18	*B82462A2103M*
15	10%	100	0.86	1.10	0.26	*B82462A2153K*
22	10%	100	0.73	0.97	0.35	*B82462A2223K*
33	10%	100	0.60	0.81	0.47	*B82462A2333K*
47	10%	100	0.49	0.68	0.69	*B82462A2473K*
68	10%	100	0.39	0.52	1.1	*B82462A2683K*
100	10%	100	0.30	0.47	1.6	*B82462A2104K*
150	10%	100	0.25	0.37	2.55	*B82462A2154K*
220	10%	100	0.21	0.30	3.8	*B82462A2224K*
330	10%	100	0.17	0.26	5.05	*B82462A2334K*

Type B82462A4, Unshielded

ORDER CODES

Value (µH)	Tolerance	Test Frequency (kHz)	Rated Current (A)	Saturation Current (A)	DC Resistance max. (Ω)	Order Code
1.0	20%	100	3.0	5.8	0.024	B82462A4102M
1.5	20%	100	2.6	4.6	0.030	B82462A4152M
2.2	20%	100	2.3	3.8	0.042	B82462A4222M
3.3	20%	100	2.0	3.2	0.06	B82462A4332M
4.7	20%	100	1.65	2.8	0.08	B82462A4472M
6.8	20%	100	1.4	2.3	0.10	B82462A4682M
10	20%	100	1.15	1.8	0.14	B82462A4103M
15	10%	100	0.9	1.5	0.21	B82462A4153K
22	10%	100	0.8	1.28	0.26	B82462A4223K
33	10%	100	0.63	1.04	0.42	B82462A4333K
47	10%	100	0.54	0.82	0.64	B82462A4473K
68	10%	100	0.43	0.69	0.86	B82462A4683K
100	10%	100	0.35	0.57	1.28	B82462A4104K
150	10%	100	0.29	0.49	1.76	B82462A4154K
220	10%	100	0.24	0.40	2.72	B82462A4224K
330	10%	100	0.20	0.34	3.9	B82462A4334K
470	10%	100	0.17	0.28	5.6	B82462A4474K
680	10%	100	0.14	0.23	8.0	B82462A4684K
1000	10%	100	0.11	0.18	13.0	B82462A4105K

Type B82462G2, Shielded, Lower Profile

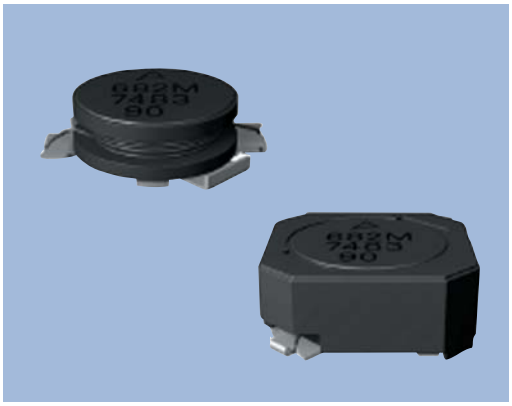
ORDER CODES

Value (µH)	Tolerance	Test Frequency (kHz)	Rated Current (A)	Saturation Current (A)	DC Resistance max. (Ω)	Order Code
0.82	20%	100	3.25	4.4	0.017	B82462G2821M
1.0	20%	100	3.25	4.25	0.017	B82462G2102M
1.2	20%	100	3.1	3.6	0.019	B82462G2122M
1.8	20%	100	2.75	3.0	0.022	B82462G2182M
2.2	20%	100	2.3	2.55	0.032	B82462G2222M
3.3	20%	100	2.0	2.05	0.040	B82462G2332M
4.7	20%	100	1.6	1.80	0.061	B82462G2472M
6.8	20%	100	1.45	1.48	0.078	B82462G2682M
10	20%	100	1.25	1.28	0.106	B82462G2103M
15	20%	100	1.02	1.02	0.160	B82462G2153M
22	20%	100	0.83	0.83	0.245	B82462G2223M
33	20%	100	0.68	0.68	0.345	B82462G2333M
47	20%	100	0.62	0.56	0.420	B82462G2473M
68	20%	100	0.48	0.47	0.635	B82462G2683M
100	20%	100	0.41	0.41	0.95	B82462G2104M
150	20%	100	0.33	0.31	1.48	B82462G2154M
220	20%	100	0.28	0.26	2.10	B82462G2224M
330	20%	100	0.22	0.20	3.25	B82462G2334M

Type B82462G4, Shielded

ORDER CODES

Value (µH)	Tolerance	Test Frequency (kHz)	Rated Current (A)	Saturation Current (A)	DC Resistance max. (Ω)	Order Code
0.82	20%	100	3.45	4.45	0.015	B82462G4821M
1.0	20%	100	3.4	4.4	0.016	B82462G4102M
1.2	20%	100	3.25	3.9	0.017	B82462G4122M
1.5	20%	100	3.1	3.6	0.020	B82462G4152M
2.2	20%	100	2.55	2.6	0.025	B82462G4222M
3.3	20%	100	2.3	2.1	0.031	B82462G4332M
4.7	20%	100	2.0	1.8	0.040	B82462G4472M
6.8	20%	100	1.65	1.5	0.050	B82462G4682M
10	20%	100	1.5	1.3	0.062	B82462G4103M
15	20%	100	1.25	1.05	0.097	B82462G4153M
22	20%	100	1.05	0.85	0.15	B82462G4223M
33	20%	100	0.85	0.72	0.23	B82462G4333M
47	20%	100	0.75	0.60	0.31	B82462G4473M
68	20%	100	0.65	0.50	0.41	B82462G4683M
100	20%	100	0.53	0.42	0.58	B82462G4104M
150	20%	100	0.38	0.33	1.05	B82462G4154M
220	20%	100	0.35	0.28	1.35	B82462G4224M
330	20%	100	0.27	0.22	2.3	B82462G4334M
470	20%	100	0.24	0.18	2.7	B82462G4474M
680	20%	100	0.20	0.15	4.05	B82462G4684M
1000	20%	100	0.16	0.13	6.0	B82462G4105M



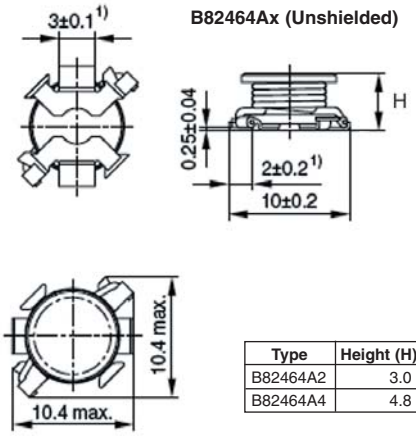
EPCOS types B82464A2&4, B82464G2&4

A range of surface mount power inductors, available in an unshielded or shielded design with the option of a lower profile package. The series can offer up to 7.6A current rating as well as low DC resistance. A low cost and bottom plate series are available to order. Supplied taped and reeled.

- Inductance values from **0.82µH to 1000µH**
- Choice of unshielded or shielded
- Lower profile option
- **Ferrite core**
- Low DC resistance
- Rated up to **7.6A**
- Wide range of applications
- Supplied taped & reeled

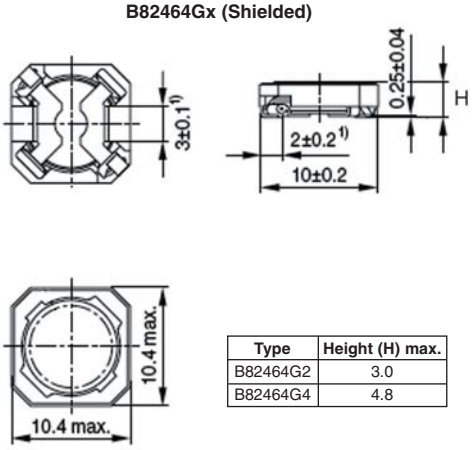
Dimensions (mm)

B82464Ax (Unshielded)



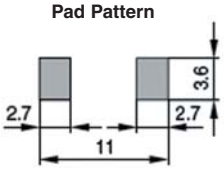
Type	Height (H) max.
B82464A2	3.0
B82464A4	4.8

B82464Gx (Shielded)



Type	Height (H) max.
B82464G2	3.0
B82464G4	4.8

Pad Pattern



1) Soldering area

Specification	B82464xx
Inductance range	0.82µH to 1000µH
Inductance tolerance	As listed
Rated temperature	85°C

Packaging	
Tape	16mm wide, 16mm pitch
Reel	330mm dia.

Type B82464A2, Unshielded, Lower Profile

ORDER CODES

Value (µH)	Tolerance	Test Frequency (kHz)	Rated Current (A)	Saturation Current (A)	DC Resistance max. (Ω)	Order Code
1.0	20%	100	6.8	9.5	0.010	*B82464A2102M*
1.5	20%	100	6.4	7.9	0.011	*B82464A2152M*
2.2	20%	100	5.6	6.7	0.014	*B82464A2222M*
3.6	20%	100	5.2	5.3	0.025	*B82464A2362M*
4.7	20%	100	4.2	4.5	0.030	*B82464A2472M*
6.8	20%	100	3.05	3.6	0.045	*B82464A2682M*
10	20%	100	2.65	3.1	0.060	*B82464A2103M*
15	10%	100	2.05	2.55	0.098	*B82464A2153K*
22	10%	100	1.72	2.05	0.135	*B82464A2223K*
33	10%	100	1.45	1.70	0.195	*B82464A2333K*
47	10%	100	1.26	1.45	0.26	*B82464A2473K*
68	10%	100	1.18	1.20	0.36	*B82464A2683K*
100	10%	100	0.86	0.95	0.55	*B82464A2104K*
150	10%	100	0.67	0.82	0.83	*B82464A2154K*
220	10%	100	0.56	0.69	1.15	*B82464A2224K*
330	10%	100	0.43	0.57	1.72	*B82464A2334K*

Type B82464A4, Unshielded

ORDER CODES						
Value (µH)	Tolerance	Test Frequency (kHz)	Rated Current (A)	Saturation Current (A)	DC Resistance max. (Ω)	Order Code
1.0	20%	100	7.0	11	0.009	B82464A4102M
1.5	20%	100	6.5	9.8	0.010	B82464A4152M
2.2	20%	100	5.7	8.4	0.012	B82464A4222M
3.6	20%	100	4.9	6.6	0.015	B82464A4362M
4.7	20%	100	4.3	5.6	0.018	B82464A4472M
6.8	20%	100	3.5	4.7	0.027	B82464A4682M
10	20%	100	2.9	3.9	0.038	B82464A4103M
15	10%	100	2.5	3.2	0.046	B82464A4153K
22	10%	100	2.1	2.6	0.085	B82464A4223K
33	10%	100	1.8	2.2	0.10	B82464A4333K
47	10%	100	1.5	1.8	0.14	B82464A4473K
68	10%	100	1.25	1.5	0.20	B82464A4683K
100	10%	100	1.03	1.2	0.28	B82464A4104K
150	10%	100	0.86	1.0	0.40	B82464A4154K
220	10%	100	0.69	0.85	0.61	B82464A4224K
330	10%	100	0.58	0.70	1.0	B82464A4334K
470	10%	100	0.50	0.55	1.27	B82464A4474K
680	10%	100	0.40	0.45	2.0	B82464A4684K
1000	10%	100	0.33	0.38	3.0	B82464A4105K

Type B82464G2, Shielded, Lower Profile

ORDER CODES						
Value (µH)	Tolerance	Test Frequency (kHz)	Rated Current (A)	Saturation Current (A)	DC Resistance max. (Ω)	Order Code
0.82	20%	100	6.2	7.5	0.0075	B82464G2821M
1.2	20%	100	5.6	6.8	0.009	B82464G2122M
2.0	20%	100	4.5	5.4	0.014	B82464G2202M
2.7	20%	100	3.85	4.25	0.019	B82464G2272M
3.9	20%	100	3.45	3.45	0.027	B82464G2392M
4.7	20%	100	3.1	3.10	0.033	B82464G2472M
7.5	20%	100	2.6	2.65	0.047	B82464G2752M
10	20%	100	2.25	2.25	0.062	B82464G2103M
15	20%	100	1.8	1.85	0.090	B82464G2153M
22	20%	100	1.5	1.52	0.130	B82464G2223M
33	20%	100	1.2	1.25	0.195	B82464G2333M
47	20%	100	1.12	1.10	0.235	B82464G2473M
68	20%	100	0.91	0.88	0.37	B82464G2683M
100	20%	100	0.75	0.73	0.53	B82464G2104M
150	20%	100	0.61	0.59	0.84	B82464G2154M
220	20%	100	0.50	0.49	1.2	B82464G2224M
330	20%	100	0.41	0.40	1.6	B82464G2334M

Type B82464G4, Shielded

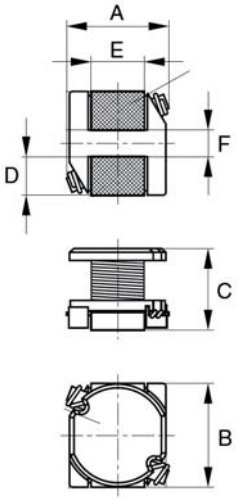
ORDER CODES						
Value (µH)	Tolerance	Test Frequency (kHz)	Rated Current (A)	Saturation Current (A)	DC Resistance max. (Ω)	Order Code
0.82	20%	100	7.6	10.3	0.007	B82464G4821M
1.0	20%	100	7.5	10	0.007	B82464G4102M
1.5	20%	100	7.0	8.5	0.009	B82464G4152M
2.2	20%	100	6.5	7.0	0.010	B82464G4222M
3.3	20%	100	5.5	5.9	0.012	B82464G4332M
4.7	20%	100	4.9	5.2	0.015	B82464G4472M
6.8	20%	100	4.3	4.6	0.020	B82464G4682M
10	20%	100	3.4	3.5	0.030	B82464G4103M
15	20%	100	2.75	3.1	0.040	B82464G4153M
22	20%	100	2.25	2.5	0.052	B82464G4223M
33	20%	100	1.85	2.1	0.075	B82464G4333M
47	20%	100	1.55	1.8	0.095	B82464G4473M
68	20%	100	1.30	1.45	0.13	B82464G4683M
100	20%	100	1.05	1.15	0.22	B82464G4104M
150	20%	100	0.85	0.90	0.32	B82464G4154M
220	20%	100	0.70	0.75	0.44	B82464G4224M
330	20%	100	0.59	0.65	0.65	B82464G4334M
470	20%	100	0.50	0.55	0.93	B82464G4474M
680	20%	100	0.42	0.46	1.3	B82464G4684M
1000	20%	100	0.34	0.35	2.2	B82464G4105M

EPCOS types B82471A1, B82473A1, B82475A1

A range of unshielded surface mount power inductors offering a current rating up to 2.6A. Suitable for a wide variety of applications from industrial to consumer and automotive electronics. Supplied taped and reeled.

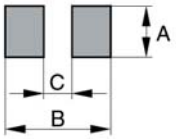
- Inductance values from **10µH to 680µH**
- Low DC resistance
- Rated up to **2.6A**
- **Ferrite core**
- Plastic terminal carrier
- Supplied taped & reeled

Dimensions (mm)



Type	A max.	B max.	C max.	D	E	F
B82471A1	6.0	6.1	4.9	2.15	2.9	1.7
B82473A1	7.3	8.3	5.5	2.8	3.9	2.3
B82475A1	10.0	10.4	5.8	3.7	5.0	2.6

Pad Pattern



Type	A	B	C
B82471A1	3.0	6.2	1.7
B82473A1	4.1	8.5	2.1
B82475A1	5.2	10.5	2.5

Specification	B8247xxx
Inductance range	10µH to 680µH
Inductance tolerance	As listed
Rated temperature	85°C

Packaging	
Tape	
B82471A1 & B82473A1	16mm wide, 12mm pitch
B82475A1	24mm wide, 16mm pitch
Reel	330mm dia.

Type B82471A1

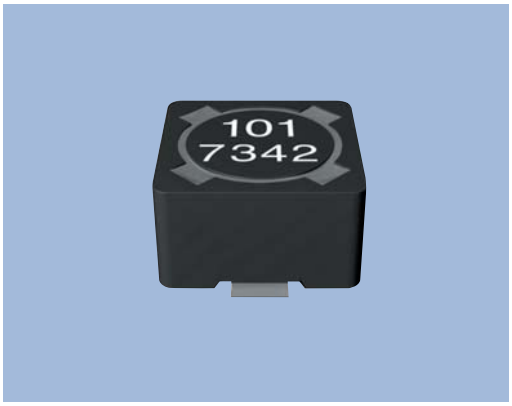
ORDER CODES						
Value (µH)	Tolerance	Test Frequency (kHz)	Rated Current (A)	Saturation Current (A)	DC Resistance max. (Ω)	Order Code
10	20%	100	1.44	1.8	0.10	*B82471A1103M*
15	20%	100	1.30	1.45	0.14	*B82471A1153M*
22	20%	100	1.11	1.2	0.18	*B82471A1223M*
33	20%	100	0.88	1.0	0.23	*B82471A1333M*
47	20%	100	0.72	0.85	0.37	*B82471A1473M*
68	10%	100	0.61	0.70	0.46	*B82471A1683K*
100	10%	100	0.52	0.60	0.70	*B82471A1104K*
150	10%	100	0.40	0.48	1.10	*B82471A1154K*
220	10%	100	0.35	0.38	1.57	*B82471A1224K*

Type B82473A1

ORDER CODES						
Value (µH)	Tolerance	Test Frequency (kHz)	Rated Current (A)	Saturation Current (A)	DC Resistance max. (Ω)	Order Code
10	10%	100	2.3	2.5	0.07	*B82473A1103K*
15	10%	100	1.8	2.0	0.09	*B82473A1153K*
22	10%	100	1.5	1.6	0.11	*B82473A1223K*
33	10%	100	1.2	1.3	0.13	*B82473A1333K*
47	10%	100	1.1	1.2	0.18	*B82473A1473K*
68	10%	100	0.85	0.9	0.28	*B82473A1683K*
100	10%	100	0.72	0.8	0.43	*B82473A1104K*
150	10%	100	0.58	0.65	0.64	*B82473A1154K*
220	10%	100	0.49	0.55	0.96	*B82473A1224K*
330	10%	100	0.40	0.45	1.26	*B82473A1334K*
470	10%	100	0.34	0.40	1.96	*B82473A1474K*

Type B82475A1

ORDER CODES						
Value (µH)	Tolerance	Test Frequency (kHz)	Rated Current (A)	Saturation Current (A)	DC Resistance max. (Ω)	Order Code
10	20%	100	2.60	2.75	0.06	*B82475A1103M*
15	20%	100	2.27	2.35	0.08	*B82475A1153M*
22	20%	100	1.95	2.00	0.10	*B82475A1223M*
33	20%	100	1.50	1.60	0.12	*B82475A1333M*
47	10%	100	1.28	1.35	0.17	*B82475A1473K*
68	10%	100	1.11	1.20	0.22	*B82475A1683K*
100	10%	100	0.97	1.00	0.35	*B82475A1104K*
150	10%	100	0.78	0.82	0.47	*B82475A1154K*
220	10%	100	0.66	0.70	0.73	*B82475A1224K*
330	10%	100	0.52	0.55	1.15	*B82475A1334K*
470	10%	100	0.42	0.45	1.48	*B82475A1474K*
680	10%	100	0.28	0.30	2.25	*B82475A1684K*

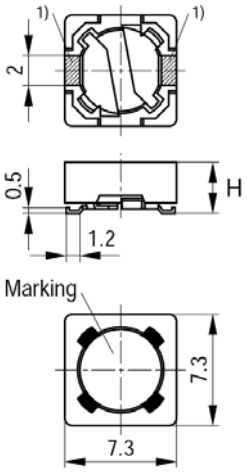


EPCOS types B82472G4, B82472G6

A range of magnetically shielded surface mount power inductors offering a current rating up to 3.6A and the option of a lower profile package. Suitable for a wide variety of applications in both industrial and consumer applications. Supplied taped and reeled.

- Inductance values from **1µH to 1000µH**
- Low DC resistance
- Rated up to **3.6A**
- **Magnetically shielded**
- **Ferrite core**
- Lower profile option
- Supplied taped & reeled

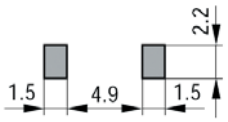
Dimensions (mm)



1) Soldering area

Type	Height (H) max.
B82472G4	3.5
B82472G6	4.5

Pad Pattern



Specification	B82472Gx
Inductance range	1µH to 1000µH
Inductance tolerance	As listed
Rated temperature	85°C

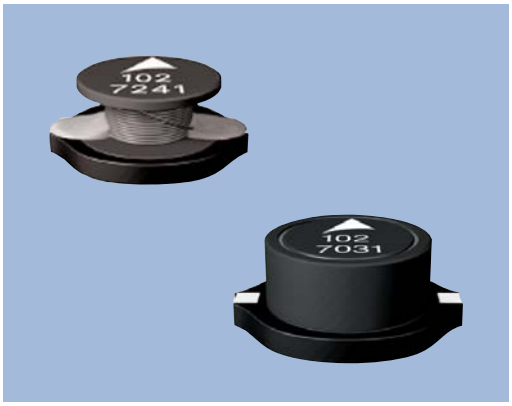
Packaging	
Tape	16mm wide, 12mm pitch
Reel	330mm dia.

Type B82472G4, Lower Profile

ORDER CODES						
Value (µH)	Tolerance	Test Frequency (kHz)	Rated Current (A)	Saturation Current (A)	DC Resistance max. (Ω)	Order Code
1.0	20%	100	3.45	2.9	0.018	*B82472G4102M*
1.5	20%	100	3.35	2.6	0.020	*B82472G4152M*
2.2	20%	100	2.9	2.2	0.025	*B82472G4222M*
3.3	20%	100	2.6	1.9	0.035	*B82472G4332M*
4.7	20%	100	2.3	1.7	0.043	*B82472G4472M*
6.8	20%	100	2.05	1.4	0.055	*B82472G4682M*
10	20%	100	1.7	1.34	0.08	*B82472G4103M*
15	20%	100	1.4	1.1	0.12	*B82472G4153M*
22	20%	100	1.1	0.9	0.20	*B82472G4223M*
33	20%	100	0.94	0.72	0.25	*B82472G4333M*
47	20%	100	0.86	0.65	0.30	*B82472G4473M*
56	20%	100	0.84	0.63	0.31	*B82472G4563M*
68	20%	100	0.69	0.60	0.46	*B82472G4683M*
100	20%	100	0.56	0.45	0.70	*B82472G4104M*
150	20%	100	0.49	0.35	0.80	*B82472G4154M*
180	20%	100	0.47	0.32	0.95	*B82472G4184M*
220	20%	100	0.40	0.30	1.10	*B82472G4224M*
330	20%	100	0.29	0.26	1.98	*B82472G4334M*
470	20%	100	0.26	0.24	2.70	*B82472G4474M*
680	20%	100	0.23	0.19	3.65	*B82472G4684M*
820	20%	100	0.20	0.17	3.90	*B82472G4824M*
1000	20%	100	0.18	0.13	4.78	*B82472G4105M*

Type B82472G6

ORDER CODES						
Value (µH)	Tolerance	Test Frequency (kHz)	Rated Current (A)	Saturation Current (A)	DC Resistance max. (Ω)	Order Code
1.0	20%	100	3.6	3.3	0.015	*B82472G6102M*
1.5	20%	100	3.4	3.0	0.017	*B82472G6152M*
2.2	20%	100	3.0	2.8	0.020	*B82472G6222M*
3.3	20%	100	2.85	2.5	0.023	*B82472G6332M*
4.7	20%	100	2.5	2.0	0.030	*B82472G6472M*
6.8	20%	100	2.15	1.7	0.040	*B82472G6682M*
10	20%	100	1.9	1.4	0.053	*B82472G6103M*
15	20%	100	1.53	1.35	0.080	*B82472G6153M*
22	20%	100	1.45	1.3	0.091	*B82472G6223M*
33	20%	100	1.15	1.05	0.15	*B82472G6333M*
47	20%	100	1.0	0.9	0.20	*B82472G6473M*
68	20%	100	0.82	0.68	0.26	*B82472G6683M*
100	20%	100	0.67	0.55	0.39	*B82472G6104M*
150	20%	100	0.53	0.43	0.58	*B82472G6154M*
220	20%	100	0.43	0.36	0.88	*B82472G6224M*
330	20%	100	0.33	0.30	1.7	*B82472G6334M*
470	20%	100	0.29	0.25	2.0	*B82472G6474M*
680	20%	100	0.25	0.20	2.75	*B82472G6684M*
820	20%	100	0.24	0.23	3.3	*B82472G6824M*
1000	20%	100	0.20	0.15	3.85	*B82472G6105M*



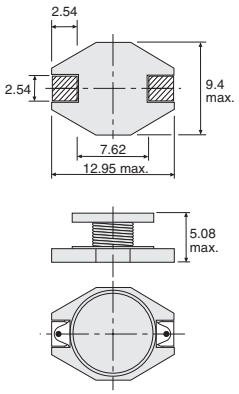
EPCOS types B82476A1, B82479A1, B82479G1

A range of surface mount power inductors constructed using wirewound technology on a ferrite core. A choice of 2 series offering a current rating up to 8.6A together with an option of a magnetically shielded type. Supplied taped and reeled.

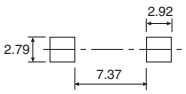
- Inductance values from **1µH to 1000µH**
- Magnetically shielded option
- Plastic terminal carrier
- **Ferrite core**
- Low DC resistance
- Rated up to **8.6A**
- Supplied taped & reeled

Dimensions (mm)

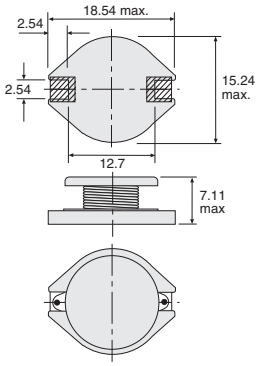
B82476A1



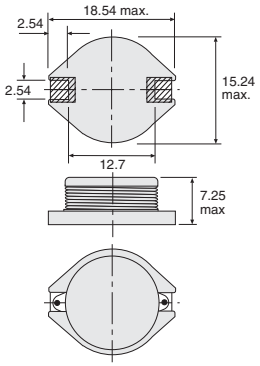
Pad Pattern



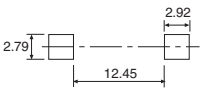
B82479A1



B82479G1



Pad Pattern



Specification	B8247xxx
Inductance range	1µH to 1000µH
Inductance tolerance	As listed
Rated temperature	85°C

Packaging		
Tape		
	B82476A1	24mm wide, 16mm pitch
	B82479A1/G1	32mm wide, 20mm pitch
Reel		330mm dia.

Type B82476A1

ORDER CODES						
Value (µH)	Tolerance	Test Frequency (kHz)	Rated Current (A)	Saturation Current (A)	DC Resistance max. (Ω)	Order Code
1.0	20%	100	6.8	9.0	0.008	*B82476A1102M*
1.5	20%	100	6.4	8.0	0.009	*B82476A1152M*
2.2	20%	100	6.1	7.0	0.0105	*B82476A1222M*
3.3	20%	100	5.4	6.4	0.0135	*B82476A1332M*
4.7	20%	100	4.8	5.4	0.0165	*B82476A1472M*
6.8	20%	100	4.4	4.6	0.021	*B82476A1682M*
10	20%	100	3.9	3.8	0.027	*B82476A1103M*
15	20%	100	3.1	3.0	0.040	*B82476A1153M*
22	20%	100	2.7	2.6	0.050	*B82476A1223M*
33	20%	100	2.1	2.0	0.088	*B82476A1333M*
47	20%	100	1.8	1.6	0.12	*B82476A1473M*
68	20%	100	1.5	1.4	0.16	*B82476A1683M*
100	20%	100	1.3	1.2	0.23	*B82476A1104M*
150	20%	100	1.0	1.0	0.33	*B82476A1154M*
220	20%	100	0.8	0.8	0.53	*B82476A1224M*
330	20%	100	0.6	0.6	0.81	*B82476A1334M*
470	20%	100	0.5	0.5	1.1	*B82476A1474M*
680	20%	100	0.4	0.4	1.6	*B82476A1684M*
1000	20%	100	0.3	0.3	2.15	*B82476A1105M*

Type B82479A1

ORDER CODES						
Value (µH)	Tolerance	Test Frequency (kHz)	Rated Current (A)	Saturation Current (A)	DC Resistance max. (Ω)	Order Code
1.0	20%	100	8.6	20	0.011	*B82479A1102M*
2.2	20%	100	7.1	16	0.014	*B82479A1222M*
3.3	20%	100	6.2	14	0.016	*B82479A1332M*
5.6	20%	100	5.3	12	0.022	*B82479A1562M*
10	20%	100	4.3	10	0.032	*B82479A1103M*
15	20%	100	4.0	8.0	0.036	*B82479A1153M*
22	20%	100	3.5	7.0	0.047	*B82479A1223M*
33	20%	100	3.0	5.5	0.066	*B82479A1333M*
47	20%	100	2.6	4.5	0.087	*B82479A1473M*
68	20%	100	2.3	3.5	0.13	*B82479A1683M*
100	20%	100	1.8	3.0	0.19	*B82479A1104M*
150	20%	100	1.5	2.6	0.25	*B82479A1154M*
220	20%	100	1.2	2.4	0.38	*B82479A1224M*
330	20%	100	1.0	1.9	0.56	*B82479A1334M*
470	20%	100	0.82	1.4	0.85	*B82479A1474M*
680	20%	100	0.72	1.2	1.2	*B82479A1684M*
1000	20%	100	0.56	1.0	1.8	*B82479A1105M*

Type B82479G1, Shielded

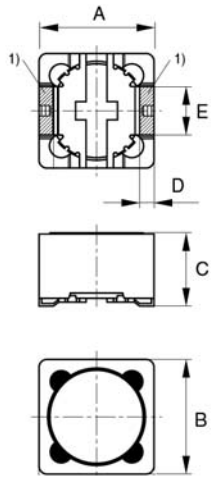
ORDER CODES						
Value (µH)	Tolerance	Test Frequency (kHz)	Rated Current (A)	Saturation Current (A)	DC Resistance max. (Ω)	Order Code
10	20%	100	3.9	8.0	0.040	*B82479G1103M*
15	20%	100	3.4	7.0	0.048	*B82479G1153M*
22	20%	100	3.1	6.0	0.059	*B82479G1223M*
33	20%	100	2.8	5.0	0.075	*B82479G1333M*
47	20%	100	2.4	4.0	0.097	*B82479G1473M*
68	20%	100	2.0	3.0	0.138	*B82479G1683M*
100	20%	100	1.3	2.1	0.293	*B82479G1154M*
220	20%	100	1.1	1.9	0.47	*B82479G1224M*
330	20%	100	0.86	1.2	0.78	*B82479G1334M*
470	20%	100	0.73	1.1	1.08	*B82479G1474M*
680	20%	100	0.64	0.96	1.40	*B82479G1684M*
1000	20%	100	0.53	0.8	2.01	*B82479G1105M*

EPCOS types B82477G2, B82477G4

A range of surface mount power inductors offering a current rating up to 9.8A and the option of a lower profile package. All parts are magnetically shielded and constructed using a ferrite core. A shielded bottom plate version is available to order. Supplied taped and reeled.

- Inductance values from **1µH to 1000µH**
- **Magnetically shielded**
- Lower profile option
- **Ferrite core**
- Low DC resistance
- Rated up to **9.8A**
- Supplied taped & reeled

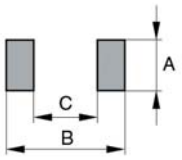
Dimensions (mm)



1) Soldering area

Type	A max.	B max.	C max.	D	E
B82477G2	12.3	12.3	6.0	1.5 ±0.2	5.0 ±0.2
B82477G4	12.8	12.8	8.0	1.5 ±0.2	5.0 ±0.2

Pad Pattern



Type	A	B	C
B82477G2	5.4	12.6	7.0
B82477G4	5.6	13.2	7.0

Specification	B82477Gx
Inductance range	1µH to 1000µH
Inductance tolerance	As listed
Rated temperature	85°C

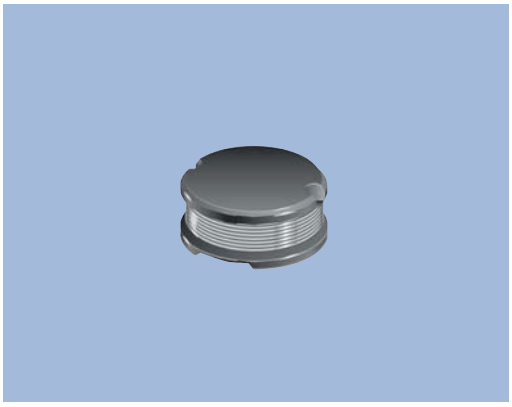
Packaging		
Tape		
	B82477G2	24mm wide, 16mm pitch
	B82479G4	24mm wide, 20mm pitch
Reel		330mm dia.

Type B82477G2, Lower Profile

ORDER CODES					
Value (µH)	Tolerance	Test Frequency (kHz)	Rated Current (A)	DC Resistance max. (Ω)	Order Code
1.0	20%	1	9.0	0.009	*B82477G2102M*
1.3	20%	1	8.7	0.010	*B82477G2132M*
2.2	20%	1	7.0	0.014	*B82477G2222M*
3.3	20%	1	6.0	0.017	*B82477G2332M*
4.7	20%	1	5.0	0.020	*B82477G2472M*
6.8	20%	1	4.4	0.022	*B82477G2682M*
7.5	20%	1	4.2	0.023	*B82477G2752M*
10	20%	1	4.0	0.025	*B82477G2103M*
12	20%	1	3.5	0.027	*B82477G2123M*
15	20%	1	3.3	0.030	*B82477G2153M*
22	20%	1	2.8	0.036	*B82477G2223M*
33	20%	1	2.1	0.057	*B82477G2333M*
47	20%	1	1.8	0.075	*B82477G2473M*
68	20%	1	1.5	0.12	*B82477G2683M*
100	20%	1	1.3	0.16	*B82477G2104M*
150	20%	1	1.0	0.23	*B82477G2154M*
220	20%	1	0.8	0.40	*B82477G2224M*
330	20%	1	0.68	0.51	*B82477G2334M*
470	20%	1	0.58	0.77	*B82477G2474M*
680	20%	1	0.48	1.20	*B82477G2684M*
1000	20%	1	0.40	1.53	*B82477G2105M*

Type B82477G4

ORDER CODES						
Value (µH)	Tolerance	Test Frequency (kHz)	Rated Current (A)	Saturation Current (A)	DC Resistance max. (Ω)	Order Code
1.0	20%	100	9.8	15.0	0.007	*B82477G4102M*
2.2	20%	100	8.0	11.0	0.010	*B82477G4222M*
3.9	20%	100	7.5	9.5	0.0125	*B82477G4392M*
4.7	20%	100	6.8	8.6	0.014	*B82477G4472M*
5.6	20%	100	6.7	8.4	0.0142	*B82477G4562M*
6.8	20%	100	6.5	7.3	0.0185	*B82477G4682M*
10	20%	100	5.4	6.4	0.022	*B82477G4103M*
15	20%	100	4.5	5.25	0.027	*B82477G4153M*
22	20%	100	3.6	4.25	0.038	*B82477G4223M*
33	20%	100	3.0	3.5	0.053	*B82477G4333M*
47	20%	100	2.5	3.0	0.082	*B82477G4473M*
68	20%	100	2.1	2.45	0.120	*B82477G4683M*
82	20%	100	1.9	2.25	0.145	*B82477G4823M*
100	20%	100	1.7	1.95	0.165	*B82477G4104M*
150	20%	100	1.42	1.70	0.225	*B82477G4154M*
220	20%	100	1.16	1.35	0.38	*B82477G4224M*
330	20%	100	0.95	1.15	0.60	*B82477G4334M*
470	20%	100	0.80	0.95	0.79	*B82477G4474M*
680	20%	100	0.68	0.78	1.24	*B82477G4684M*
1000	20%	100	0.55	0.65	1.68	*B82477G4105M*

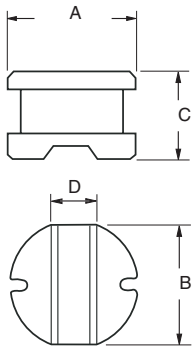


BOURNS type SDR Series

An extensive choice of inductors offering a wide range of values, case sizes and applications. The complete family are unshielded and offer current ratings up to 9.5A. Supplied taped and reeled.

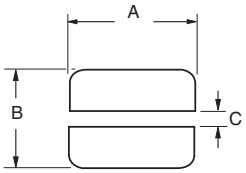
- Inductance values from **1µH to 15000µH (15mH)**
- Choice of footprints from **0302 to 1307**
- Lower profile options
- **Ferrite core**
- Rated up to **9.5A**
- Wide variety of applications
- Supplied taped & reeled

Dimensions (mm)



Type	A max.	B max.	C max.	D typ.
SDR0302	3.3	3.1	2.8	0.9
SDR0402	4.8	4.3	3.5	1.5
SDR0503	5.3	5.1	3.3	2.0
SDR0603	5.8	5.8	3.9	1.8
SDR0604	5.8	5.8	4.8	1.8
SDR0805	7.8	7.8	5.3	2.6
SDR1006	9.8	9.8	5.8	2.9
SDR1307	13.5	13.5	7.3	5.0

Pad Pattern



Type	A	B	C
SDR0302	3.0	3.6	0.8
SDR0403	4.5	5.1	1.5
SDR0503	5.0	5.5	1.9
SDR0603	5.8	6.0	1.7
SDR0604	5.8	6.0	1.8
SDR0805	8.0	8.0	2.6
SDR1006	10.0	10.0	2.8
SDR1307	14.0	14.0	4.5

Specification

	SDR
Inductance range	1µH to 15000µH (15mH)
Inductance tolerance	As listed
Rated temperature	-40°C to +125°C

Packaging

Tape	
0302 to 0604	12mm wide, 8mm pitch
0805	16mm wide, 12mm pitch
1006	24mm wide, 12mm pitch
1307	24mm wide, 16mm pitch
Reel	330mm dia.

INDUCTANCE CONVERSION GUIDE

Nano-Henry (nH)	Micro-Henry (µH)
1.0	0.001
1.5	0.0015
2.2	0.0022
3.3	0.0033
4.7	0.0047
6.8	0.0068
10	0.01
15	0.015
22	0.022
33	0.033
47	0.047
68	0.068
100	0.1
150	0.15
220	0.22
330	0.33
470	0.47
680	0.68
1000	1.0
1500	1.5
2200	2.2
3300	3.3
4700	4.7
6800	6.8

Micro-Henry (µH)	Milli-Henry (mH)
10	0.01
15	0.015
22	0.022
33	0.033
47	0.047
68	0.068
100	0.1
150	0.15
220	0.22
330	0.33
470	0.47
680	0.68
1000	1.0
1500	1.5
2200	2.2
3300	3.3
4700	4.7
6800	6.8
10000	10

Type SDR0302

ORDER CODES

Value (µH)	Tolerance	Test Frequency (kHz)	Q Ref.	Test Frequency (MHz)	SRF min. (MHz)	I rms max. (A)	I sat typ. (A)	RDC max. (Ω)	Order Code
1.0	20%	1	20	7.96	125	2.1	2.7	0.06	SDR0302-1R0ML
1.2	20%	1	22	7.96	100	2.0	2.5	0.07	SDR0302-1R2ML
1.4	20%	1	22	7.96	95	1.5	2.3	0.07	SDR0302-1R4ML
1.5	20%	1	23	7.96	95	1.9	2.3	0.07	SDR0302-1R5ML
1.8	20%	1	23	7.96	85	1.8	2.0	0.08	SDR0302-1R8ML
2.2	20%	1	22	7.96	75	1.65	1.85	0.09	SDR0302-2R2ML
2.7	20%	1	22	7.96	72	1.5	1.7	0.10	SDR0302-2R7ML
3.3	20%	1	23	7.96	68	1.4	1.6	0.11	SDR0302-3R3ML
3.9	20%	1	24	7.96	50	1.3	1.5	0.12	SDR0302-3R9ML
4.7	20%	1	18	7.96	45	1.2	1.35	0.15	SDR0302-4R7ML
5.6	20%	1	18	7.96	42	1.1	1.3	0.16	SDR0302-5R6ML
6.8	20%	1	18	7.96	40	1.0	1.2	0.18	SDR0302-6R8ML
8.2	20%	1	16	7.96	35	0.9	1.05	0.20	SDR0302-8R2ML
10	20%	1	18	2.52	34	0.8	0.90	0.25	SDR0302-100ML
12	20%	1	15	2.52	33	0.75	0.85	0.28	SDR0302-120ML
15	20%	1	20	2.52	32	0.65	0.80	0.40	SDR0302-150ML
18	20%	1	18	2.52	28	0.58	0.75	0.46	SDR0302-180ML
22	20%	1	23	2.52	22	0.52	0.65	0.66	SDR0302-220ML
27	20%	1	23	2.52	20	0.48	0.55	0.75	SDR0302-270ML
33	10%	1	20	2.52	18	0.42	0.50	0.85	SDR0302-330KL
39	10%	1	24	2.52	18	0.38	0.45	1.12	SDR0302-390KL
47	10%	1	23	2.52	17	0.36	0.40	1.27	SDR0302-470KL
56	10%	1	18	2.52	16	0.34	0.35	1.45	SDR0302-560KL
68	10%	1	24	2.52	14	0.30	0.32	1.85	SDR0302-680KL
82	10%	1	24	2.52	12	0.28	0.30	2.1	SDR0302-820KL
100	10%	1	40	0.796	10	0.26	0.28	2.85	SDR0302-101KL
120	10%	1	40	0.796	10	0.22	0.25	3.2	SDR0302-121KL
150	10%	1	38	0.796	9	0.20	0.23	4.6	SDR0302-151KL
180	10%	1	45	0.796	8.5	0.185	0.21	5.0	SDR0302-181KL
220	10%	1	40	0.796	8	0.17	0.19	5.7	SDR0302-221KL
270	10%	1	45	0.796	7	0.15	0.17	8.6	SDR0302-271KL
330	10%	1	40	0.796	6	0.13	0.15	10	SDR0302-331KL
390	10%	1	40	0.796	5.5	0.12	0.14	10.8	SDR0302-391KL
470	10%	1	42	0.796	5.0	0.105	0.13	14.3	SDR0302-471KL
560	10%	1	43	0.796	4.8	0.095	0.12	16	SDR0302-561KL
680	10%	1	43	0.796	4.3	0.085	0.11	18	SDR0302-681KL
820	10%	1	45	0.796	4.0	0.08	0.10	22.5	SDR0302-821KL
1000	10%	1	40	0.252	3.2	0.07	0.09	26	SDR0302-102KL
1200	10%	1	40	0.252	3.0	0.06	0.08	30	SDR0302-122KL

Type SDR0403

ORDER CODES

Value (µH)	Tolerance	Test Frequency (kHz)	Q Ref.	Test Frequency (MHz)	SRF min. (MHz)	I rms max. (A)	I sat typ. (A)	RDC (Ω)	Order Code
1.0	20%	1	28	7.96	150	3.8	5.5	0.033	SDR0403-1R0ML
1.4	20%	1	28	7.96	110	3.3	5.1	0.038	SDR0403-1R4ML
1.8	20%	1	28	7.96	90	2.91	4.4	0.042	SDR0403-1R8ML
2.2	20%	1	28	7.96	80	2.60	3.9	0.047	SDR0403-2R2ML
2.7	20%	1	28	7.96	75	2.43	3.5	0.052	SDR0403-2R7ML
3.3	20%	1	28	7.96	65	2.15	3.0	0.058	SDR0403-3R3ML
3.9	20%	1	28	7.96	55	1.98	2.7	0.076	SDR0403-3R9ML
4.7	20%	1	28	7.96	50	1.70	2.6	0.094	SDR0403-4R7ML
5.6	20%	1	28	7.96	45	1.60	2.4	0.10	SDR0403-5R6ML
6.8	20%	1	28	7.96	40	1.41	2.1	0.12	SDR0403-6R8ML
8.2	20%	1	28	7.96	36	1.26	1.9	0.13	SDR0403-8R2ML
10	20%	1	28	2.52	33	1.15	1.7	0.18	SDR0403-100ML
12	20%	1	28	2.52	30	1.05	1.6	0.21	SDR0403-120ML
15	20%	1	28	2.52	28	0.92	1.4	0.24	SDR0403-150ML
18	20%	1	25	2.52	23	0.84	1.3	0.34	SDR0403-180ML
22	20%	1	25	2.52	20	0.76	1.2	0.38	SDR0403-220ML
27	10%	1	23	2.52	17	0.71	1.0	0.52	SDR0403-270KL
33	10%	1	23	2.52	15	0.64	0.99	0.54	SDR0403-330KL
39	10%	1	20	2.52	14	0.59	0.92	0.59	SDR0403-390KL
47	10%	1	20	2.52	13	0.54	0.78	0.84	SDR0403-470KL
56	10%	1	20	2.52	12	0.50	0.74	0.94	SDR0403-560KL
68	10%	1	20	2.52	11	0.46	0.68	1.12	SDR0403-680KL
82	10%	1	25	2.52	10	0.42	0.58	1.27	SDR0403-820KL
100	10%	1	35	0.796	9	0.35	0.51	1.9	SDR0403-101KL
120	10%	1	50	0.796	8	0.32	0.44	2.2	SDR0403-121KL
150	10%	1	50	0.796	8	0.26	0.40	3.4	SDR0403-151KL
180	10%	1	50	0.796	5	0.24	0.39	3.9	SDR0403-181KL
220	10%	1	50	0.796	4	0.22	0.33	4.4	SDR0403-221KL
270	10%	1	45	0.796	3	0.20	0.30	5.0	SDR0403-271KL
330	10%	1	40	0.796	4	0.17	0.25	6.0	SDR0403-331KL
390	10%	1	40	0.796	3.5	0.15	0.22	6.4	SDR0403-391KL
470	10%	1	50	0.796	3.0	0.13	0.19	7.0	SDR0403-471KL
560	10%	1	50	0.796	2.8	0.12	0.18	7.8	SDR0403-561KL
680	10%	1	40	0.796	2.8	0.11	0.16	8.6	SDR0403-681KL
820	10%	1	38	0.796	2.5	0.10	0.15	12	SDR0403-821KL
1000	10%	1	38	0.252	2.0	0.09	0.13	14	SDR0403-102KL

SDR Series continued on the following three pages > > > >

+44 (0)1945 47 47 47 www.anglia.com info@anglia.com

continuation

Type SDR0503

ORDER CODES

Value (µH)	Tolerance	Test Frequency (kHz)	Q Ref.	Test Frequency (MHz)	SRF min. (MHz)	I rms max. (A)	I sat typ. (A)	RDC (Ω)	Order Code
10	20%	1	10	2.52	30	1.3	1.6	0.13	SDR0503-100ML
12	20%	1	20	2.52	29	1.2	1.45	0.16	SDR0503-120ML
15	20%	1	20	2.52	27	1.05	1.26	0.19	SDR0503-150ML
18	20%	1	20	2.52	24	0.95	1.3	0.21	SDR0503-180ML
22	20%	1	20	2.52	22	0.9	1.06	0.28	SDR0503-220ML
27	20%	1	20	2.52	20	0.8	1.0	0.32	SDR0503-270ML
33	10%	1	15	2.52	18	0.7	0.85	0.38	SDR0503-330KL
39	10%	1	15	2.52	17	0.65	0.8	0.42	SDR0503-390KL
47	10%	1	20	2.52	14	0.6	0.75	0.60	SDR0503-470KL
56	10%	1	20	2.52	13	0.5	0.7	0.71	SDR0503-560KL
68	10%	1	20	2.52	12	0.45	0.6	0.76	SDR0503-680KL
82	10%	1	15	2.52	10	0.42	0.52	0.88	SDR0503-820KL
100	10%	1	40	0.796	9	0.40	0.48	1.6	SDR0503-101KL
120	10%	1	40	0.796	8	0.37	0.45	1.7	SDR0503-121KL
150	10%	1	40	0.796	7	0.33	0.40	2.0	SDR0503-151KL
180	10%	1	40	0.796	7	0.30	0.35	2.3	SDR0503-181KL
220	10%	1	35	0.796	6	0.25	0.34	2.5	SDR0503-221KL
270	10%	1	35	0.796	6	0.23	0.28	2.9	SDR0503-271KL
330	10%	1	30	0.796	5	0.21	0.28	3.3	SDR0503-331KL
390	10%	1	30	0.796	5	0.19	0.24	3.7	SDR0503-391KL
470	10%	1	30	0.796	5	0.18	0.22	4.9	SDR0503-471KL
560	10%	1	30	0.796	4	0.16	0.19	5.7	SDR0503-561KL
680	10%	1	30	0.796	4	0.14	0.16	7.5	SDR0503-681KL
820	10%	1	40	0.796	3	0.12	0.155	10	SDR0503-821KL
1000	10%	1	40	0.252	3	0.11	0.135	11.5	SDR0503-102KL
1200	5%	1	40	0.252	3	0.063	0.09	12	SDR0503-122JL
1500	5%	1	40	0.252	2	0.059	0.072	13	SDR0503-152JL
1800	5%	1	40	0.252	2	0.055	0.07	15	SDR0503-182JL
2200	5%	1	40	0.252	2	0.053	0.07	22	SDR0503-222JL
2700	5%	1	40	0.252	2	0.050	0.07	26	SDR0503-272JL
3300	5%	1	40	0.252	2	0.045	0.062	38	SDR0503-332JL
3900	5%	1	40	0.252	2	0.042	0.06	40	SDR0503-392JL
4700	5%	1	40	0.252	1	0.040	0.05	48	SDR0503-472JL
5600	5%	1	40	0.252	1	0.038	0.05	72	SDR0503-562JL
6800	5%	1	40	0.252	1	0.034	0.045	80	SDR0503-682JL
8200	5%	1	40	0.252	1	0.030	0.045	92	SDR0503-822JL
10000 (10mH)	5%	1	30	0.0796	1	0.027	0.040	110	SDR0503-103JL
12000 (12mH)	5%	1	30	0.0796	1	0.025	0.038	148	SDR0503-123JL
15000 (15mH)	5%	1	30	0.0796	1	0.020	0.032	168	SDR0503-153JL

Type SDR0603

ORDER CODES

Value (µH)	Tolerance	Test Frequency (kHz)	Q Ref.	Test Frequency (MHz)	SRF min. (MHz)	I rms max. (A)	I sat typ. (A)	RDC (Ω)	Order Code
1.5	20%	1	24	7.96	85	3.0	3.5	0.04	SDR0603-1R5ML
2.5	20%	1	21	7.96	74	2.35	2.7	0.05	SDR0603-2R5ML
3.3	20%	1	21	7.96	68	2.2	2.6	0.05	SDR0603-3R3ML
3.9	20%	1	22	7.96	62	2.1	2.2	0.05	SDR0603-3R9ML
4.7	20%	1	20	7.96	56	1.8	2.2	0.07	SDR0603-4R7ML
5.0	20%	1	19	7.96	50	1.6	2.1	0.07	SDR0603-5R0ML
6.8	20%	1	19	7.96	44	1.38	1.8	0.11	SDR0603-6R8ML
7.5	20%	1	19	7.96	38	1.29	1.6	0.12	SDR0603-7R5ML
10	20%	1	24	2.52	34	1.14	1.4	0.15	SDR0603-100ML
12	20%	1	23	2.52	30	1.02	1.3	0.16	SDR0603-120ML
15	20%	1	22	2.52	28	0.93	1.1	0.18	SDR0603-150ML
18	20%	1	23	2.52	24	0.82	1.1	0.25	SDR0603-180ML
22	20%	1	20	2.52	30	0.75	0.96	0.28	SDR0603-220ML
27	20%	1	19	2.52	19	0.67	0.86	0.30	SDR0603-270ML
33	10%	1	23	2.52	15	0.61	0.70	0.45	SDR0603-330KL
39	10%	1	22	2.52	13	0.56	0.66	0.46	SDR0603-390KL
47	10%	1	20	2.52	13	0.52	0.62	0.55	SDR0603-470KL
56	10%	1	17	2.52	12	0.48	0.58	0.62	SDR0603-560KL
68	10%	1	17	2.52	12	0.44	0.54	0.72	SDR0603-680KL
82	10%	1	15	2.52	11	0.40	0.48	0.84	SDR0603-820KL
100	10%	1	28	0.796	10	0.38	0.66	0.95	SDR0603-101KL
120	10%	1	27	0.796	8	0.36	0.60	1.1	SDR0603-121KL
150	10%	1	28	0.796	8	0.32	0.56	1.43	SDR0603-151KL
180	10%	1	26	0.796	7	0.30	0.50	1.6	SDR0603-181KL
220	10%	1	26	0.796	6	0.26	0.46	2.0	SDR0603-221KL
270	10%	1	26	0.796	5	0.24	0.38	2.4	SDR0603-271KL
330	10%	1	28	0.796	5	0.20	0.36	3.2	SDR0603-331KL
390	10%	1	28	0.796	4	0.18	0.32	3.4	SDR0603-391KL
470	10%	1	29	0.796	4	0.15	0.26	4.55	SDR0603-471KL

continuation

Type SDR0604

ORDER CODES

Value (µH)	Tolerance	Test Frequency (kHz)	Q Ref.	Test Frequency (MHz)	SRF min. (MHz)	I rms max. (A)	I sat typ. (A)	RDC (Ω)	Order Code
1.2	20%	1	35	7.96	155	4.2	7.3	0.02	SDR0604-1R2ML
1.5	20%	1	32	7.96	108	3.6	6.1	0.03	SDR0604-1R5ML
2.2	20%	1	33	7.96	79	2.8	5.1	0.06	SDR0604-2R2ML
2.7	20%	1	22	7.96	65	2.3	3.8	0.06	SDR0604-2R7ML
3.3	20%	1	22	7.96	60	2.0	3.5	0.07	SDR0604-3R3ML
3.9	20%	1	22	7.96	40	1.9	3.2	0.07	SDR0604-3R9ML
4.7	20%	1	20	7.96	34	1.8	3.0	0.08	SDR0604-4R7ML
5.6	20%	1	20	7.96	30	1.7	2.7	0.08	SDR0604-5R6ML
6.8	20%	1	20	7.96	28	1.6	2.5	0.12	SDR0604-6R8ML
8.2	20%	1	20	7.96	26	1.5	2.3	0.09	SDR0604-8R2ML
10	20%	1	30	2.52	23	1.45	2.0	0.10	SDR0604-100ML
12	20%	1	30	2.52	22	1.4	1.9	0.12	SDR0604-120ML
15	15%	1	30	2.52	20	1.3	1.6	0.14	SDR0604-150YL
18	15%	1	30	2.52	18	1.25	1.5	0.15	SDR0604-180YL
22	15%	1	30	2.52	16	1.1	1.4	0.19	SDR0604-220YL
27	15%	1	28	2.52	14	1.0	1.3	0.22	SDR0604-270YL
33	10%	1	24	2.52	13	0.88	1.1	0.25	SDR0604-330KL
39	10%	1	24	2.52	13	0.80	1.0	0.32	SDR0604-390KL
47	10%	1	22	2.52	12	0.72	1.0	0.37	SDR0604-470KL
56	10%	1	22	2.52	11	0.68	0.9	0.42	SDR0604-560KL
68	10%	1	22	2.52	10	0.62	0.84	0.52	SDR0604-680KL
82	10%	1	20	2.52	9	0.58	0.75	0.60	SDR0604-820KL
100	10%	1	20	0.796	9	0.52	0.68	0.70	SDR0604-101KL
120	10%	1	22	0.796	7	0.48	0.60	0.93	SDR0604-121KL
150	10%	1	20	0.796	6	0.40	0.54	1.10	SDR0604-151KL
180	10%	1	20	0.796	6	0.38	0.50	1.38	SDR0604-181KL
220	10%	1	20	0.796	6	0.35	0.44	1.57	SDR0604-221KL
270	10%	1	26	0.796	4	0.32	0.40	1.88	SDR0604-271KL
330	10%	1	25	0.796	3	0.27	0.36	2.25	SDR0604-331KL
390	10%	1	25	0.796	3	0.25	0.34	2.48	SDR0604-391KL
470	10%	1	25	0.796	3	0.21	0.30	3.3	SDR0604-471KL
560	10%	1	24	0.252	3	0.18	0.26	4.0	SDR0604-561KL
680	10%	1	26	0.252	2	0.16	0.25	4.65	SDR0604-681KL
820	10%	1	25	0.252	2	0.14	0.20	5.2	SDR0604-821KL

Type SDR0805

ORDER CODES

Value (µH)	Tolerance	Test Frequency (kHz)	Q Ref.	Test Frequency (MHz)	SRF min. (MHz)	I rms max. (A)	I sat typ. (A)	RDC (Ω)	Order Code
1.5	20%	1	32	7.96	120	6.0	9.1	0.02	SDR0805-1R5ML
2.5	20%	1	32	7.96	70	5.0	7.2	0.02	SDR0805-2R5ML
3.3	20%	1	32	7.96	55	4.5	6.3	0.02	SDR0805-3R3ML
3.9	20%	1	32	7.96	45	4.4	5.7	0.02	SDR0805-3R9ML
4.7	20%	1	31	7.96	38	3.7	5.0	0.03	SDR0805-4R7ML
5.6	20%	1	31	7.96	34	3.5	4.6	0.04	SDR0805-5R6ML
6.8	20%	1	30	7.96	33	3.2	4.1	0.04	SDR0805-6R8ML
7.5	20%	1	29	7.96	30	2.8	3.7	0.05	SDR0805-7R5ML
10	20%	1	25	2.52	22	2.3	3.2	0.07	SDR0805-100ML
12	20%	1	25	2.52	20	2.0	3.0	0.08	SDR0805-120ML
15	20%	1	25	2.52	16	1.8	2.7	0.09	SDR0805-150ML
18	20%	1	20	2.52	15	1.6	2.6	0.10	SDR0805-180ML
22	20%	1	20	2.52	13	1.5	2.3	0.11	SDR0805-220ML
27	20%	1	20	2.52	12	1.3	2.1	0.12	SDR0805-270KL
33	10%	1	15	2.52	10	1.2	1.9	0.14	SDR0805-330KL
39	10%	1	15	2.52	10	1.1	1.7	0.16	SDR0805-390KL
47	10%	1	15	2.52	9	1.0	1.6	0.20	SDR0805-470KL
56	10%	1	15	2.52	9	0.94	1.5	0.24	SDR0805-560KL
68	10%	1	15	2.52	8	0.85	1.3	0.30	SDR0805-680KL
82	10%	1	12	2.52	7	0.78	1.2	0.37	SDR0805-820KL
100	10%	1	12	0.796	7	0.72	1.1	0.45	SDR0805-101KL
120	10%	1	12	0.796	6	0.66	1.0	0.48	SDR0805-121KL
150	10%	1	12	0.796	6	0.58	0.85	0.68	SDR0805-151KL
180	10%	1	12	0.796	5	0.51	0.8	0.77	SDR0805-181KL
220	10%	1	12	0.796	5	0.49	0.8	0.96	SDR0805-221KL
270	10%	1	12	0.796	5	0.42	0.66	1.11	SDR0805-271KL
330	10%	1	12	0.796	4	0.40	0.58	1.26	SDR0805-331KL
390	10%	1	12	0.796	4	0.36	0.55	1.77	SDR0805-391KL
470	10%	1	12	0.796	4	0.34	0.50	1.96	SDR0805-471KL
560	10%	1	30	0.796	4	0.30	0.46	2.5	SDR0805-561KL
680	10%	1	29	0.796	3	0.28	0.42	2.8	SDR0805-681KL
820	10%	1	28	0.796	3	0.23	0.35	4.0	SDR0805-821KL
1000	10%	1	27	0.252	3	0.21	0.34	4.5	SDR0805-102KL
1200	10%	1	28	0.252	2	0.17	0.28	6.8	SDR0805-122KL
1500	10%	1	27	0.252	2	0.15	0.26	8.0	SDR0805-152KL
1800	10%	1	30	0.252	2	0.14	0.23	9.2	SDR0805-182KL
2200	10%	1	29	0.252	2	0.13	0.20	10	SDR0805-222KL
2700	10%	1	31	0.252	1	0.12	0.18	11.8	SDR0805-272KL
3300	10%	1	28	0.252	1	0.10	0.17	16.5	SDR0805-332KL
3900	10%	1	28	0.252	1	0.09	0.16	18	SDR0805-392KL
4700	10%	1	30	0.252	1	0.08	0.15	21	SDR0805-472KL

SDR Series continued overleaf > > > >

+44 (0)1945 47 47 47 www.anglia.com info@anglia.com 77

continuation

Type SDR1006

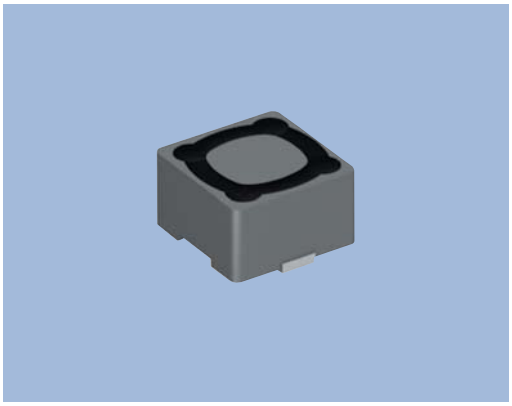
ORDER CODES

Value (µH)	Tolerance	Test Frequency (kHz)	Q Ref.	Test Frequency (MHz)	SRF min. (MHz)	I rms max. (A)	I sat typ. (A)	RDC (Ω)	Order Code
1.5	20%	1	35	7.96	105	6.4	10	0.018	SDR1006-1R5ML
2.2	20%	1	35	7.96	68	5.4	10	0.021	SDR1006-2R2ML
3.3	20%	1	34	7.96	55	5.0	10	0.024	SDR1006-3R3ML
3.9	20%	1	34	7.96	48	4.6	8.4	0.027	SDR1006-3R9ML
4.7	20%	1	33	7.96	40	4.0	7.3	0.036	SDR1006-4R7ML
5.6	20%	1	33	7.96	35	3.8	6.4	0.040	SDR1006-5R6ML
6.8	20%	1	33	7.96	32	3.4	5.9	0.044	SDR1006-6R8ML
8.2	20%	1	31	7.96	24	3.0	5.4	0.048	SDR1006-8R2ML
10	20%	1	30	2.52	21	2.6	5.1	0.06	SDR1006-100ML
12	20%	1	30	2.52	20	2.45	4.5	0.07	SDR1006-120ML
15	20%	1	30	2.52	16	2.25	4.0	0.08	SDR1006-150ML
18	20%	1	30	2.52	15	2.15	3.8	0.09	SDR1006-180ML
22	20%	1	25	2.52	13	1.95	3.5	0.10	SDR1006-220ML
27	10%	1	25	2.52	11	1.75	3.4	0.11	SDR1006-270KL
33	10%	1	25	2.52	10	1.50	2.9	0.12	SDR1006-330KL
39	10%	1	20	2.52	9	1.35	2.6	0.14	SDR1006-390KL
47	10%	1	20	2.52	8	1.25	2.3	0.17	SDR1006-470KL
56	10%	1	20	2.52	7.5	1.15	2.1	0.19	SDR1006-560KL
68	10%	1	15	2.52	7	1.1	2.0	0.22	SDR1006-680KL
82	10%	1	15	2.52	6	1.0	1.9	0.25	SDR1006-820KL
100	10%	1	15	0.796	5.2	0.97	1.7	0.35	SDR1006-101KL
120	10%	1	15	0.796	5.0	0.89	1.5	0.40	SDR1006-121KL
150	10%	1	15	0.796	4.5	0.78	1.4	0.47	SDR1006-151KL
180	10%	1	12	0.796	4.0	0.72	1.3	0.63	SDR1006-181KL
220	10%	1	12	0.796	3.8	0.66	1.1	0.73	SDR1006-221KL
270	10%	1	12	0.796	3.5	0.57	1.0	0.97	SDR1006-271KL
330	10%	1	12	0.796	3.2	0.52	0.85	1.15	SDR1006-331KL
390	10%	1	12	0.796	3.0	0.48	0.8	1.30	SDR1006-391KL
470	10%	1	12	0.796	2.5	0.42	0.8	1.48	SDR1006-471KL
560	10%	1	12	0.796	2.3	0.33	0.66	1.9	SDR1006-561KL
680	10%	1	12	0.796	2.1	0.28	0.65	2.25	SDR1006-681KL
820	10%	1	10	0.796	2.0	0.24	0.56	2.55	SDR1006-821KL
1000	10%	1	30	0.252	1.9	0.23	0.53	3.1	SDR1006-102KL
1200	10%	1	31	0.252	1.8	0.21	0.48	4.2	SDR1006-122KL
1500	10%	1	31	0.252	1.7	0.19	0.45	5.0	SDR1006-152KL
1800	10%	1	31	0.252	1.6	0.17	0.38	6.8	SDR1006-182KL
2200	10%	1	31	0.252	1.5	0.16	0.36	7.6	SDR1006-222KL
2700	10%	1	32	0.252	1.4	0.14	0.33	11.6	SDR1006-272KL
3300	10%	1	32	0.252	1.3	0.12	0.30	13.5	SDR1006-332KL
3900	10%	1	32	0.252	1.2	0.11	0.28	14.8	SDR1006-392KL
4700	10%	1	32	0.252	0.8	0.10	0.24	18	SDR1006-472KL

Type SDR1307

ORDER CODES

Value (µH)	Tolerance	Test Frequency (kHz)	Q Ref.	Test Frequency (MHz)	SRF min. (MHz)	I rms max. (A)	I sat typ. (A)	RDC (Ω)	Order Code
1.5	20%	100	20	7.96	65	9.5	20	0.005	SDR1307-1R5ML
2.2	20%	100	22	7.96	50	9.0	18	0.006	SDR1307-2R2ML
2.7	20%	100	24	7.96	40	8.2	16	0.008	SDR1307-2R7ML
3.3	20%	100	26	7.96	38	7.5	15	0.0087	SDR1307-3R3ML
4.7	20%	100	25	7.96	36	7.0	13	0.010	SDR1307-4R7ML
5.6	20%	100	24	7.96	28	6.5	11	0.015	SDR1307-5R6ML
6.8	20%	100	24	7.96	26	6.0	10.5	0.017	SDR1307-6R8ML
8.2	20%	100	24	7.96	24	5.8	9.8	0.019	SDR1307-8R2ML
10	20%	100	22	2.52	22	5.6	9.2	0.021	SDR1307-100ML
12	20%	100	25	2.52	20	4.8	8.0	0.030	SDR1307-120ML
15	20%	100	28	2.52	17	4.5	7.5	0.034	SDR1307-150ML
18	20%	100	28	2.52	16	4.2	7.0	0.036	SDR1307-180ML
22	20%	100	40	2.52	15	3.6	6.5	0.047	SDR1307-220ML
27	20%	100	35	2.52	11	3.3	5.5	0.060	SDR1307-270ML
33	10%	100	35	2.52	10	3.1	5.0	0.065	SDR1307-330KL
39	10%	100	28	2.52	9	2.9	4.6	0.075	SDR1307-390KL
47	10%	100	24	2.52	7.5	2.7	4.2	0.082	SDR1307-470KL
56	10%	100	22	2.52	7.2	2.5	3.8	0.095	SDR1307-560KL
68	10%	100	24	2.52	7.0	2.3	3.5	0.12	SDR1307-680KL
82	10%	100	18	2.52	6.0	2.1	3.2	0.14	SDR1307-820KL
100	10%	100	25	0.796	5.8	1.9	3.0	0.18	SDR1307-101KL
120	10%	100	20	0.796	5.5	1.8	2.8	0.21	SDR1307-121KL
150	10%	100	20	0.796	4.5	1.6	2.6	0.25	SDR1307-151KL
180	10%	100	18	0.796	4.0	1.5	2.3	0.28	SDR1307-181KL
220	10%	100	15	0.796	3.8	1.3	2.1	0.36	SDR1307-221KL
270	10%	100	15	0.796	3.5	1.2	1.8	0.41	SDR1307-271KL
330	10%	100	15	0.796	3.2	1.1	1.6	0.52	SDR1307-331KL
390	10%	100	12	0.796	2.5	1.0	1.5	0.60	SDR1307-391KL
470	10%	100	12	0.796	2.2	0.9	1.4	0.72	SDR1307-471KL
560	10%	100	10	0.796	2.0	0.85	1.3	0.88	SDR1307-561KL
680	10%	100	10	0.796	1.6	0.8	1.2	1.0	SDR1307-681KL
820	10%	100	10	0.796	1.5	0.75	1.1	1.3	SDR1307-821KL
1000	10%	100	10	0.252	1.4	0.65	1.0	1.6	SDR1307-102KL

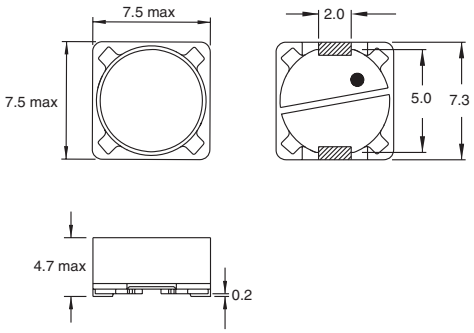


FASTRON type PIS2816

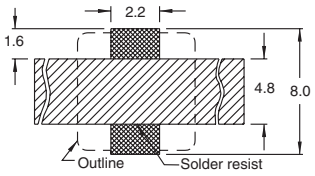
A range of surface mount power inductors constructed using a ferrite core and offering a current rating up to 2.2A. Supplied taped and reeled.

- Inductance values from **2.2µH to 1000µH**
- Magnetically shielded
- **Ferrite core**
- Low DC resistance
- Rated up to **2.2A**
- Supplied taped & reeled

Dimensions (mm)



Pad Pattern



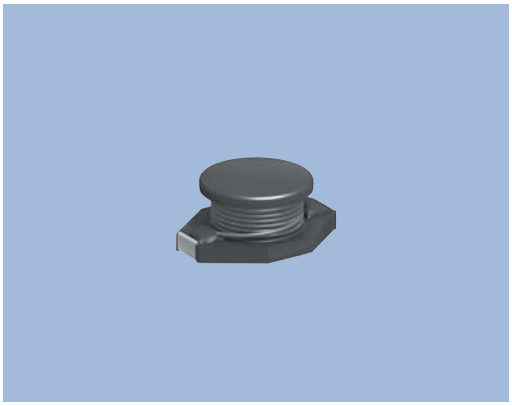
* In order to prevent short circuit, a solder resist is recommended

Specification	PIS2816
Inductance range	2.2µH to 1000µH
Inductance tolerance	As listed
Rated temperature	-40°C to +125°C

Packaging	
Tape	16mm wide, 12mm pitch
Reel	330mm dia.

ORDER CODES

Value (µH)	Tolerance	fL (kHz)	Rated DC Current (A)	DCR max. (Ω)	Order Code
2.2	20%	1	2.2	0.045	*PIS2816-2R2M-04*
3.3	20%	1	2.0	0.045	*PIS2816-3R3M-04*
10	20%	1	1.84	0.052	*PIS2816-100M-04*
12	20%	1	1.71	0.058	*PIS2816-120M-04*
15	20%	1	1.47	0.081	*PIS2816-150M-04*
18	20%	1	1.31	0.091	*PIS2816-180M-04*
22	20%	1	1.23	0.11	*PIS2816-220M-04*
27	20%	1	1.12	0.15	*PIS2816-270M-04*
33	20%	1	0.96	0.17	*PIS2816-330M-04*
39	20%	1	0.91	0.23	*PIS2816-390M-04*
47	20%	1	0.88	0.26	*PIS2816-470M-04*
56	20%	1	0.75	0.35	*PIS2816-560M-04*
68	20%	1	0.69	0.38	*PIS2816-680M-04*
82	20%	1	0.61	0.43	*PIS2816-820M-04*
100	20%	1	0.60	0.61	*PIS2816-101M-04*
120	20%	1	0.52	0.66	*PIS2816-121M-04*
150	20%	1	0.46	0.88	*PIS2816-151M-04*
180	20%	1	0.42	0.98	*PIS2816-181M-04*
220	20%	1	0.36	1.17	*PIS2816-221M-04*
270	20%	1	0.34	1.64	*PIS2816-271M-04*
330	20%	1	0.32	1.86	*PIS2816-331M-04*
390	20%	1	0.29	2.85	*PIS2816-391M-04*
470	20%	1	0.26	3.01	*PIS2816-471M-04*
560	20%	1	0.23	3.62	*PIS2816-561M-04*
680	20%	1	0.22	4.63	*PIS2816-681M-04*
820	20%	1	0.20	5.2	*PIS2816-821M-04*
1000	20%	1	0.18	6.0	*PIS2816-102M-04*

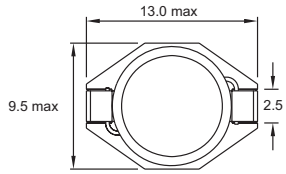


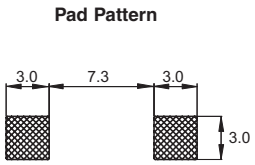
FASTRON type PISM

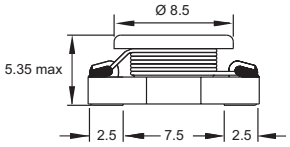
A range of surface mount power inductors constructed using wirewound construction with a ferrite core, offering a current rating up to 6.9A. Supplied taped and reeled.

- Inductance values from **1µH to 2200µH**
- Wide range of applications
- **Ferrite core**
- Low DC resistance
- Rated up to **6.9A**
- Supplied taped & reeled

Dimensions (mm)





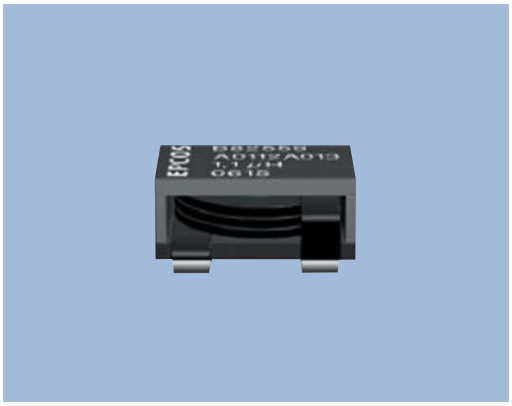


Specification	PISM
Inductance range	1µH to 2200µH
Inductance tolerance	As listed
Rated temperature	-40°C to +125°C

Packaging	
Tape	24mm wide, 12mm pitch
Reel	330mm dia.

ORDER CODES

Value (µH)	Tolerance	fL (kHz)	SRF min. (MHz)	Rated Current (A)	Saturation Current (A)	DCR max. (Ω)	Order Code
1.0	20%	100	115	6.9	10	0.008	***PISM-1R0M-04***
1.5	20%	100	90	6.5	9	0.009	***PISM-1R5M-04***
2.2	20%	100	80	6.2	8	0.010	***PISM-2R2M-04***
3.3	20%	100	58	5.5	7	0.014	***PISM-3R3M-04***
4.7	20%	100	49	4.9	6	0.017	***PISM-4R7M-04***
6.8	20%	100	39	4.4	5.1	0.022	***PISM-6R8M-04***
10	20%	100	28	3.9	4.2	0.036	***PISM-100M-04***
15	20%	100	22	3.2	3.2	0.05	***PISM-150M-04***
22	20%	100	17	2.7	2.7	0.06	***PISM-220M-04***
33	20%	100	13	2.1	2.1	0.10	***PISM-330M-04***
47	20%	100	10	1.7	1.7	0.14	***PISM-470M-04***
68	20%	100	8.5	1.5	1.5	0.19	***PISM-680M-04***
100	20%	100	7.0	1.2	1.2	0.28	***PISM-101M-04***
150	20%	100	5.3	1.0	1.0	0.42	***PISM-151M-04***
220	20%	100	4.1	0.85	0.85	0.6	***PISM-221M-04***
330	20%	100	3.2	0.65	0.65	0.9	***PISM-331M-04***
470	20%	100	2.8	0.55	0.55	1.25	***PISM-471M-04***
680	20%	100	2.3	0.45	0.45	2.0	***PISM-681M-04***
1000	20%	100	1.7	0.35	0.35	2.7	***PISM-102M-04***
2200	20%	100	1.4	0.22	0.25	7.0	***PISM-222M-04***

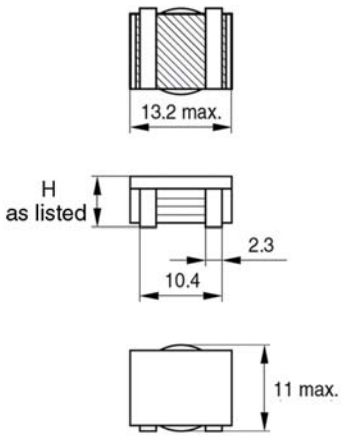


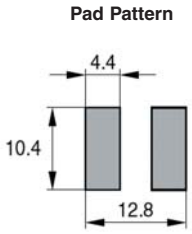
EPCOS type B82559-A13

A range of surface mount, helically wound inductors designed to give the maximum current in the smallest possible footprint. All parts are magnetically shielded and constructed using a ferrite core. Suitable for pick and place processes. Supplied taped and reeled.

- Inductance values from **0.5µH to 3.9µH**
- Magnetically shielded
- Rated up to **30A**
- **Ferrite core**
- **Extremely low DC resistance**
- Supplied taped & reeled

Dimensions (mm)



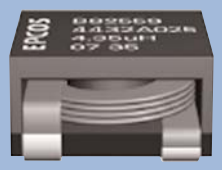


Specification	B82559-A13
Inductance range	0.5µH to 3.9µH measured at 10kHz, 0.1V, 20°C
Inductance tolerance	As listed
Rated temperature	-40°C to +130°C

Packaging	
Tape	24mm wide, 12mm pitch
Reel	330mm dia.

ORDER CODES

Value (µH)	Tolerance	Saturation Current (A)	DC Resistance typ. (mΩ)	Height (H) max. (mm)	Order Code
0.5	10%	30	0.78	4.95	***B82559A501A13***
0.95	10%	25	1.12	5.95	***B82559A951A13***
1.1	10%	20	1.72	4.95	***B82559A112A13***
1.4	10%	22	1.5	5.95	***B82559A142A13***
2.15	10%	15	3.2	4.95	***B82559A222A13***
2.4	10%	16.5	2.76	5.95	***B82559A242A13***
3.0	10%	13	4.0	4.95	***B82559A302A13***
3.9	10%	12	4.8	5.95	***B82559A392A13***

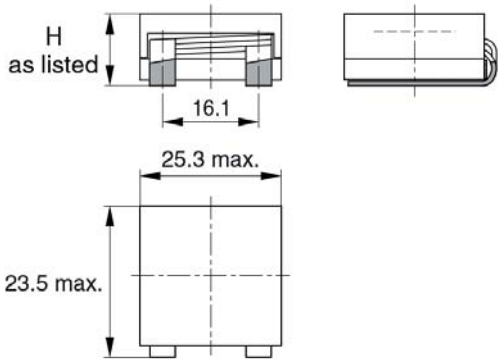


EPCOS type B82559-A25

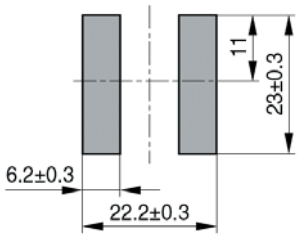
A range of surface mount, helically wound inductors designed to give the maximum current in the smallest possible footprint. All parts are magnetically shielded and constructed using a ferrite core. Suitable for pick and place processes. Supplied in trays.

- Inductance values from **0.44µH to 10µH**
- Magnetically shielded
- Rated up to **71A**
- **Ferrite core**
- **Extremely low DC resistance**
- Supplied in trays

Dimensions (mm)



Pad Pattern



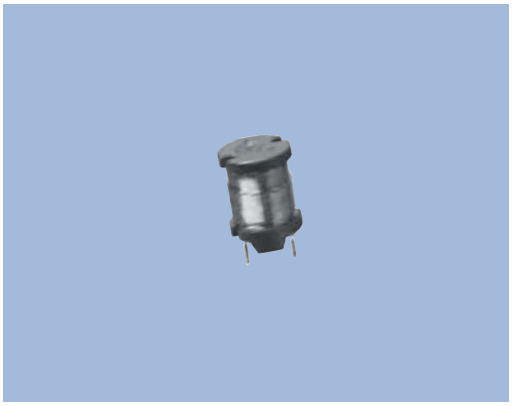
Specification	B82559-A25
Inductance range	0.44µH to 10µH measured at 10kHz, 0.1V, 25°C
Inductance tolerance	As listed
Rated temperature	-40°C to +130°C

Packaging

Tray		
	Tray Size	185mm x 285mm
	Pocket Size	22.8mm x 25.7mm
	Units	40 per tray
Component height		Tray height
	8.95mm	19mm
	10.75mm	21mm
	11.95mm	22mm
	12.85mm	23mm

ORDER CODES

Value (µH)	Tolerance	Saturation Current (A)	DC Resistance typ. (mΩ)	Height (H) max. (mm)	Weight approx. (g)	Order Code
0.44	7%	71	0.2	8.95	22.1	***B82559A1042A25***
1.25	7%	50	0.4	10.75	24.4	***B82559A2122A25***
2.3	7%	41	0.6	11.95	29.5	***B82559A3232A25***
2.9	7%	33	1.0	10.75	21.8	***B82559A3292A25***
4.35	7%	30	1.3	10.75	25.2	***B82559A4432A25***
6.1	7%	28	1.6	11.95	26.3	***B82559A5612A25***
7.9	7%	26	2.0	12.85	27.5	***B82559A6792A25***
10	7%	24	2.2	12.85	29.6	***B82559A7103A25***

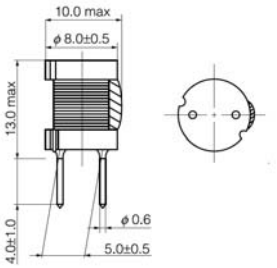


PANASONIC type 08D

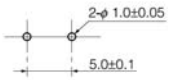
A range of radial inductors offering a current rating up to 7.2A. Ideal for use in a wide range of applications. Supplied in trays.

- Inductance values from **2.2µH to 3900µH**
- Wide variety of applications
- **Ferrite core**
- Rated up to **7.2A**
- Supplied in trays

Dimensions (mm)



PCB Hole Pattern



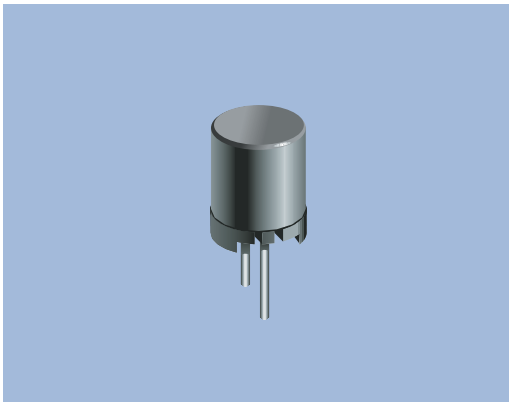
Many other ranges are available from Panasonic within their ELC Series.

Please contact our Sales Desk for details.

Specification	08D	Packaging	
Inductance range	2.2µH to 3900µH	Carton	Trays

ORDER CODES

Value (µH)	Tolerance	Test Frequency (kHz)	DCR ±30% (Ω)	IDC max. (A)	Order Code
2.2	20%	10	0.010	7.2	ELC08D2R2E
2.7	20%	10	0.011	6.3	ELC08D2R7E
3.3	20%	10	0.013	5.7	ELC08D3R3E
3.9	20%	10	0.014	5.0	ELC08D3R9E
4.7	20%	10	0.015	4.3	ELC08D4R7E
5.6	20%	10	0.016	4.1	ELC08D5R6E
6.8	20%	10	0.017	3.8	ELC08D6R8E
8.2	20%	10	0.019	3.6	ELC08D8R2E
10	20%	10	0.022	2.8	ELC08D100E
12	20%	10	0.025	2.7	ELC08D120E
15	20%	10	0.028	2.4	ELC08D150E
18	20%	10	0.031	2.2	ELC08D180E
22	10%	10	0.034	2.0	ELC08D220E
27	10%	10	0.039	1.8	ELC08D270E
33	10%	10	0.045	1.4	ELC08D330E
39	10%	10	0.052	1.3	ELC08D390E
47	10%	10	0.067	1.2	ELC08D470E
56	10%	10	0.073	1.1	ELC08D560E
68	10%	10	0.086	1.0	ELC08D680E
82	10%	10	0.11	0.9	ELC08D820E
100	10%	10	0.12	0.8	ELC08D101E
120	10%	10	0.17	0.75	ELC08D121E
150	10%	10	0.20	0.70	ELC08D151E
180	10%	10	0.22	0.65	ELC08D181E
220	10%	10	0.29	0.60	ELC08D221E
270	10%	10	0.36	0.55	ELC08D271E
330	10%	10	0.42	0.50	ELC08D331E
390	10%	10	0.49	0.45	ELC08D391E
470	10%	10	0.61	0.36	ELC08D471E
560	10%	10	0.69	0.34	ELC08D561E
680	10%	10	0.93	0.32	ELC08D681E
820	10%	10	1.1	0.30	ELC08D821E
1000	10%	10	1.3	0.29	ELC08D102E
1200	10%	10	1.6	0.28	ELC08D122E
1500	10%	10	1.9	0.24	ELC08D152E
1800	10%	10	2.5	0.21	ELC08D182E
2200	10%	10	2.8	0.20	ELC08D222E
2700	10%	10	3.7	0.19	ELC08D272E
3300	10%	10	4.4	0.16	ELC08D332E
3900	10%	10	4.9	0.14	ELC08D392E



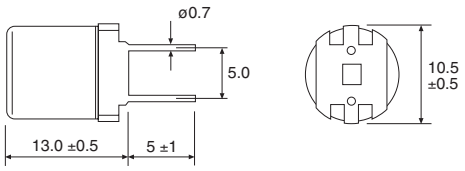
BOURNS type FSR1013

A range of radial inductors offering a high inductance up to 47mH. Constructed using a ferrite POT core and enamelled copper wire. Supplied loose.

- Inductance values from **1000µH (1mH) to 47000µH (47mH)**
- High Q level
- **Ferrite core**
- Rated up to **0.15A**
- Supplied loose

Dimensions (mm)

FSR1013

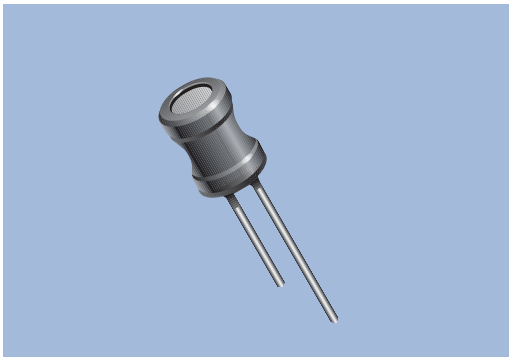


Specification	FSR1013
Inductance range	1000µH (1mH) to 47000µH (47mH)
Temperature Rise	40°C max. at rated current

Packaging
Loose

ORDER CODES

Value (µH)	Value (mH)	Tolerance min.	Q	Test Freq. (kHz) L	Test Freq. (kHz) Q	SRF min. (kHz)	RDC max. (Ω)	Rated Current IDC (A)	Order Code
1000	1.0	10%	40	1	252	740	4.0	0.15	*FSR1013-102KL*
1200	1.2	10%	40	1	252	670	5.0	0.14	*FSR1013-122KL*
1500	1.5	10%	40	1	252	500	6.0	0.13	*FSR1013-152KL*
1800	1.8	10%	40	1	252	480	7.0	0.115	*FSR1013-182KL*
2200	2.2	10%	40	1	252	410	10	0.10	*FSR1013-222KL*
2700	2.7	10%	40	1	252	390	11	0.095	*FSR1013-272KL*
3300	3.3	10%	30	1	252	350	12	0.085	*FSR1013-332KL*
3900	3.9	10%	30	1	252	340	13	0.080	*FSR1013-392KL*
4700	4.7	10%	30	1	252	320	23	0.070	*FSR1013-472KL*
5600	5.6	10%	30	1	252	310	25	0.065	*FSR1013-562KL*
6800	6.8	10%	20	1	252	280	30	0.060	*FSR1013-682KL*
8200	8.2	10%	20	1	252	260	32	0.050	*FSR1013-822KL*
10000	10	10%	50	1	79.6	240	35	0.045	*FSR1013-103KL*
12000	12	10%	50	1	79.6	210	50	0.040	*FSR1013-123KL*
15000	15	10%	50	1	79.6	190	58	0.038	*FSR1013-153KL*
18000	18	10%	50	1	79.6	180	63	0.035	*FSR1013-183KL*
22000	22	10%	40	1	79.6	140	90	0.030	*FSR1013-223KL*
27000	27	10%	40	1	79.6	130	100	0.028	*FSR1013-273KL*
33000	33	10%	40	1	79.6	125	115	0.025	*FSR1013-333KL*
39000	39	10%	30	1	79.6	120	185	0.023	*FSR1013-393KL*
47000	47	10%	30	1	79.6	110	205	0.022	*FSR1013-473KL*

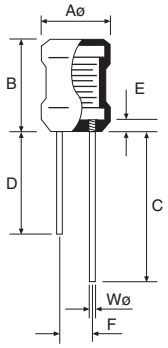


BOURNS types RLB0608, RLB0812, RLB1014, RLB0712 & RLB0914

Radial leaded inductors designed for high current circuits and offering current carrying capabilities of up to 3.6A. Available in values between 1µH and 82000µH. Supplied loose.

- Inductance values from **1µH to 82000µH (82mH)**
- Choice of pitch
- Wide variety of applications
- **Ferrite core**
- Rated up to **3.6A**
- Supplied loose

Dimensions (mm)



Type	Aø	B	C	D	E	F	Wø
RLB0608	5.0 ±0.5	6.5 +1.0/-0.5	28.0 ±5.0	20.0 ±5.0	2.5	2.0 ±0.5	0.5
RLB0812	6.7 ±0.5	10.0 ±1.0	25.0 ±5.0	18.0 ±5.0	2.5	3.0 ±0.5	0.65
RLB1014	8.7 ±0.5	12.0 ±1.0	25.0 ±5.0	18.0 ±5.0	2.5	5.0 ±0.8	0.65
RLB0712	6.7 ±0.5	10.0 ±1.0	25.0 ±5.0	18.0 ±5.0	2.5	3.0 ±0.5	0.65
RLB0914	8.7 ±0.5	12.0 ±1.0	25.0 ±5.0	18.0 ±5.0	2.5	5.0 ±0.8	0.65

Specification	RLB	Packaging
Inductance range	1µH to 82000µH (82mH)	Loose
Operating temperature range	-20°C to +80°C	

Type RLB0608

ORDER CODES

Value (µH)	Tolerance	Q Ref.	Test Freq. (MHz) L, Q	SRF min. (MHz)	RDC max. (Ω)	IDC max. (A)	Order Code
1.0	20%	60	7.96	105	0.1	1.03	*RLB0608-1R0ML*
1.2	20%	60	7.96	90	0.15	0.98	*RLB0608-1R2ML*
1.5	20%	60	7.96	75	0.2	0.92	*RLB0608-1R5ML*
1.8	20%	60	7.96	70	0.22	0.88	*RLB0608-1R8ML*
2.2	20%	60	7.96	65	0.24	0.83	*RLB0608-2R2ML*
2.7	20%	60	7.96	60	0.27	0.79	*RLB0608-2R7ML*
3.3	20%	60	7.96	50	0.3	0.75	*RLB0608-3R3ML*
3.9	20%	60	7.96	45	0.3	0.72	*RLB0608-3R9ML*
4.7	20%	60	7.96	40	0.35	0.67	*RLB0608-4R7ML*
5.6	10%	60	7.96	35	0.35	0.64	*RLB0608-5R6KL*
6.8	10%	60	7.96	30	0.4	0.62	*RLB0608-6R8KL*
8.2	10%	60	7.96	25	0.4	0.59	*RLB0608-8R2KL*
10	10%	60	2.52	20	0.45	0.55	*RLB0608-100KL*
12	10%	60	2.52	15	0.5	0.53	*RLB0608-120KL*
15	10%	60	2.52	13	0.55	0.50	*RLB0608-150KL*
18	10%	60	2.52	11	0.6	0.48	*RLB0608-180KL*
22	10%	60	2.52	10	0.65	0.46	*RLB0608-220KL*
27	10%	50	2.52	9.0	0.75	0.43	*RLB0608-270KL*
33	10%	50	2.52	8.0	0.85	0.41	*RLB0608-330KL*
39	10%	50	2.52	7.5	0.9	0.39	*RLB0608-390KL*
47	10%	50	2.52	7.0	1.0	0.37	*RLB0608-470KL*
56	10%	50	2.52	6.5	1.2	0.35	*RLB0608-560KL*
68	10%	50	2.52	6.0	1.3	0.34	*RLB0608-680KL*
82	10%	50	2.52	5.5	1.5	0.32	*RLB0608-820KL*
100	10%	50	0.796	5.0	1.7	0.305	*RLB0608-101KL*
120	10%	50	0.796	4.8	1.9	0.290	*RLB0608-121KL*
150	10%	50	0.796	4.4	2.1	0.275	*RLB0608-151KL*
180	10%	50	0.796	4.2	2.3	0.235	*RLB0608-181KL*
220	10%	45	0.796	3.8	2.5	0.200	*RLB0608-221KL*
270	10%	45	0.796	3.6	2.75	0.180	*RLB0608-271KL*
330	10%	45	0.796	3.3	4.68	0.165	*RLB0608-331KL*
390	10%	45	0.796	3.0	6.0	0.150	*RLB0608-391KL*
470	10%	55	0.796	2.8	6.5	0.140	*RLB0608-471KL*
560	10%	55	0.796	2.4	8.5	0.135	*RLB0608-561KL*
680	10%	55	0.796	2.2	9.0	0.125	*RLB0608-681KL*
820	10%	55	0.796	2.0	9.6	0.120	*RLB0608-821KL*
1000	10%	55	0.252	1.8	11.5	0.100	*RLB0608-102KL*
1500	10%	50	0.252	1.4	15	0.100	*RLB0608-152KL*
2200	10%	50	0.252	1.0	20	0.085	*RLB0608-222KL*

continuation

Type RLB0812

ORDER CODES							
Value (µH)	Tolerance	Q Ref.	Test Freq. (MHz) L, Q	SRF min. (MHz)	RDC max. (Ω)	IDC max. (A)	Order Code
47	10%	30	2.52	6.0	0.4	0.45	RLB0812-470KL
56	10%	30	2.52	5.5	0.45	0.40	RLB0812-560KL
68	10%	30	2.52	5.0	0.5	0.36	RLB0812-680KL
82	10%	30	2.52	4.5	0.5	0.34	RLB0812-820KL
100	10%	45	0.796	4.2	0.6	0.32	RLB0812-101KL
120	10%	45	0.796	3.6	0.7	0.30	RLB0812-121KL
150	10%	45	0.796	3.4	0.9	0.28	RLB0812-151KL
180	10%	45	0.796	3.2	1.0	0.26	RLB0812-181KL
220	10%	45	0.796	3.0	1.2	0.24	RLB0812-221KL
270	10%	45	0.796	2.8	1.4	0.22	RLB0812-271KL
330	10%	45	0.796	2.5	1.6	0.20	RLB0812-331KL
390	10%	45	0.796	2.3	1.8	0.18	RLB0812-391KL
470	10%	45	0.796	2.2	2.0	0.16	RLB0812-471KL
560	10%	45	0.796	2.0	2.5	0.15	RLB0812-561KL
680	10%	45	0.796	1.7	2.9	0.14	RLB0812-681KL
820	10%	45	0.796	1.5	3.1	0.13	RLB0812-821KL
1000	10%	45	0.252	1.4	3.9	0.12	RLB0812-102KL
1200	10%	60	0.252	1.1	4.4	0.11	RLB0812-122KL
1500	10%	60	0.252	0.9	6.0	0.10	RLB0812-152KL
1800	10%	60	0.252	0.8	7.0	0.09	RLB0812-182KL
2200	10%	60	0.252	0.75	8.0	0.08	RLB0812-222KL
2700	10%	60	0.252	0.7	9.0	0.07	RLB0812-272KL
3300	10%	60	0.252	0.6	12	0.06	RLB0812-332KL
3900	10%	60	0.252	0.55	14	0.055	RLB0812-392KL
4700	10%	60	0.252	0.5	16	0.050	RLB0812-472KL
5600	10%	60	0.252	0.48	18	0.045	RLB0812-562KL
6800	10%	60	0.252	0.44	24	0.040	RLB0812-682KL
8200	10%	60	0.252	0.40	30	0.036	RLB0812-822KL
10000 (10mH)	10%	60	0.0796	0.36	39	0.034	RLB0812-103KL
12000 (12mH)	10%	60	0.0796	0.32	46	0.032	RLB0812-123KL
15000 (15mH)	10%	60	0.0796	0.30	54	0.030	RLB0812-153KL
18000 (18mH)	10%	60	0.0796	0.28	76	0.027	RLB0812-183KL
22000 (22mH)	10%	60	0.0796	0.24	92	0.025	RLB0812-223KL
27000 (27mH)	10%	60	0.0796	0.20	102	0.022	RLB0812-273KL
33000 (33mH)	10%	60	0.0796	0.16	140	0.020	RLB0812-333KL
39000 (39mH)	10%	60	0.0796	0.13	150	0.018	RLB0812-393KL
47000 (47mH)	10%	60	0.0796	0.10	162	0.016	RLB0812-473KL

Type RLB1014

ORDER CODES							
Value (µH)	Tolerance	Q Ref.	Test Freq. (MHz) L, Q	SRF min. (MHz)	RDC max. (Ω)	IDC max. (A)	Order Code
100	10%	45	0.796	3.2	0.85	0.35	RLB1014-101KL
120	10%	45	0.796	3.0	0.95	0.33	RLB1014-121KL
150	10%	45	0.796	2.8	1.05	0.31	RLB1014-151KL
180	10%	45	0.796	2.5	1.15	0.30	RLB1014-181KL
220	10%	40	0.796	2.1	1.30	0.28	RLB1014-221KL
270	10%	40	0.796	2.0	1.50	0.26	RLB1014-271KL
330	10%	40	0.796	1.95	1.70	0.24	RLB1014-331KL
390	10%	40	0.796	1.85	1.85	0.23	RLB1014-391KL
470	10%	35	0.796	1.55	2.30	0.21	RLB1014-471KL
560	10%	35	0.796	1.3	2.55	0.20	RLB1014-561KL
680	10%	35	0.796	1.15	2.85	0.19	RLB1014-681KL
820	10%	35	0.796	1.0	3.1	0.18	RLB1014-821KL
1000	10%	50	0.252	0.9	4.1	0.16	RLB1014-102KL
1200	10%	50	0.252	0.8	4.7	0.15	RLB1014-122KL
1500	10%	50	0.252	0.7	5.8	0.13	RLB1014-152KL
1800	10%	50	0.252	0.6	7.4	0.115	RLB1014-182KL
2200	10%	50	0.252	0.55	8.4	0.11	RLB1014-222KL
2700	10%	50	0.252	0.5	9.6	0.095	RLB1014-272KL
3300	10%	50	0.252	0.45	10.5	0.080	RLB1014-332KL
3900	10%	50	0.252	0.40	12	0.070	RLB1014-392KL
4700	10%	45	0.252	0.38	14	0.065	RLB1014-472KL
5600	10%	45	0.252	0.36	16	0.060	RLB1014-562KL
6800	10%	40	0.252	0.34	18	0.055	RLB1014-682KL
8200	10%	40	0.252	0.32	24.5	0.050	RLB1014-822KL
10000 (10mH)	10%	50	0.0796	0.30	32	0.045	RLB1014-103KL
12000 (12mH)	10%	50	0.0796	0.28	36	0.040	RLB1014-123KL
15000 (15mH)	10%	50	0.0796	0.26	48	0.035	RLB1014-153KL
18000 (18mH)	10%	45	0.0796	0.24	52	0.030	RLB1014-183KL
22000 (22mH)	10%	45	0.0796	0.22	58	0.028	RLB1014-223KL
27000 (27mH)	10%	45	0.0796	0.20	62	0.026	RLB1014-273KL
33000 (33mH)	10%	45	0.0796	0.18	90	0.024	RLB1014-333KL
39000 (39mH)	10%	40	0.0796	0.17	100	0.022	RLB1014-393KL
47000 (47mH)	10%	35	0.0796	0.16	150	0.020	RLB1014-473KL
56000 (56mH)	10%	35	0.0796	0.15	200	0.018	RLB1014-563KL
68000 (68mH)	10%	35	0.0796	0.14	220	0.016	RLB1014-683KL
82000 (82mH)	10%	30	0.0796	0.12	240	0.014	RLB1014-823KL

continuation

Type RLB0712

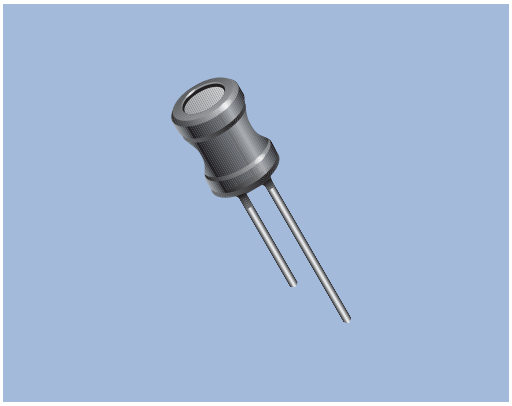
ORDER CODES

Value (µH)	Tolerance	Q Ref.	Test Freq. L (kHz)	Test Freq. Q (MHz)	SRF min. (MHz)	RDC max. (Ω)	IDC max. (A)	Order Code
10	10%	20	1	2.52	16	0.07	1.1	*RLB0712-100KL*
12	10%	20	1	2.52	12	0.08	1.0	*RLB0712-120KL*
15	10%	20	1	2.52	10	0.09	0.90	*RLB0712-150KL*
18	10%	20	1	2.52	10	0.10	0.75	*RLB0712-180KL*
22	10%	20	1	2.52	9.0	0.12	0.70	*RLB0712-220KL*
27	10%	20	1	2.52	8.0	0.13	0.65	*RLB0712-270KL*
33	10%	20	1	2.52	7.0	0.15	0.60	*RLB0712-330KL*
39	10%	20	1	2.52	6.0	0.16	0.55	*RLB0712-390KL*
47	10%	20	1	2.52	6.0	0.18	0.45	*RLB0712-470KL*
56	10%	20	1	2.52	5.0	0.21	0.40	*RLB0712-560KL*
68	10%	20	1	2.52	5.0	0.24	0.36	*RLB0712-680KL*
82	10%	20	1	2.52	5.0	0.35	0.34	*RLB0712-820KL*
100	10%	20	1	0.796	4.0	0.40	0.32	*RLB0712-101KL*
120	10%	20	1	0.796	4.0	0.45	0.30	*RLB0712-121KL*
150	10%	20	1	0.796	3.5	0.50	0.28	*RLB0712-151KL*
180	10%	20	1	0.796	3.0	0.75	0.26	*RLB0712-181KL*
220	10%	20	1	0.796	3.0	0.90	0.24	*RLB0712-221KL*
270	10%	20	1	0.796	2.5	1.00	0.22	*RLB0712-271KL*
330	10%	20	1	0.796	2.5	1.10	0.20	*RLB0712-331KL*
390	10%	20	1	0.796	2.0	1.20	0.18	*RLB0712-391KL*
470	10%	20	1	0.796	2.0	1.50	0.16	*RLB0712-471KL*
560	10%	20	1	0.796	2.0	1.80	0.15	*RLB0712-561KL*

Type RLB0914

ORDER CODES

Value (µH)	Tolerance	Q Ref.	Test Freq. (MHz) L, Q	SRF min. (MHz)	RDC max. (Ω)	IDC max. (A)	Order Code
3.3	20%	20	7.96	70	0.027	3.6	*RLB0914-3R3ML*
4.7	20%	20	7.96	50	0.033	3.2	*RLB0914-4R7ML*
6.8	20%	20	7.96	30	0.039	3.0	*RLB0914-6R8ML*
10	10%	50	2.52	20	0.048	2.7	*RLB0914-100KL*
12	10%	50	2.52	15	0.055	2.5	*RLB0914-120KL*
15	10%	50	2.52	10	0.060	2.4	*RLB0914-150KL*
18	10%	40	2.52	9.5	0.065	2.3	*RLB0914-180KL*
22	10%	40	2.52	9.0	0.09	1.9	*RLB0914-220KL*
27	10%	40	2.52	8.5	0.11	1.8	*RLB0914-270KL*
33	10%	40	2.52	8.0	0.12	1.7	*RLB0914-330KL*
39	10%	30	2.52	7.0	0.13	1.6	*RLB0914-390KL*
47	10%	30	2.52	6.0	0.14	1.5	*RLB0914-470KL*
56	10%	30	2.52	5.0	0.20	1.3	*RLB0914-560KL*
68	10%	30	2.52	4.5	0.21	1.2	*RLB0914-680KL*
82	10%	30	2.52	4.0	0.23	1.1	*RLB0914-820KL*
100	10%	30	0.796	3.5	0.28	1.0	*RLB0914-101KL*
120	10%	30	0.796	3.0	0.32	0.9	*RLB0914-121KL*
150	10%	30	0.796	2.8	0.37	0.8	*RLB0914-151KL*
180	10%	30	0.796	2.6	0.54	0.75	*RLB0914-181KL*
220	10%	20	0.796	2.4	0.60	0.7	*RLB0914-221KL*
270	10%	20	0.796	2.2	0.68	0.65	*RLB0914-271KL*
330	10%	20	0.796	2.0	0.76	0.6	*RLB0914-331KL*
390	10%	20	0.796	1.9	0.85	0.55	*RLB0914-391KL*
470	10%	20	0.796	1.8	1.3	0.5	*RLB0914-471KL*
560	10%	20	0.796	1.7	1.4	0.45	*RLB0914-561KL*
680	10%	20	0.796	1.6	1.6	0.4	*RLB0914-681KL*
820	10%	20	0.796	1.5	1.8	0.35	*RLB0914-821KL*
1000	10%	40	0.252	1.3	2.1	0.3	*RLB0914-102KL*

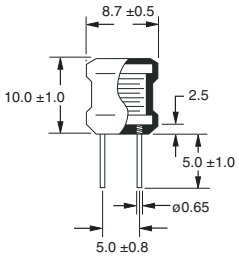


BOURNS type RLB0912

Radial leaded inductors designed for high current circuits and offering current carrying capabilities of up to 6A. Available in values between 1µH and 1000µH. Supplied loose.

- Inductance values from **1µH to 1000µH**
- 5mm pitch
- Wide variety of applications
- **Ferrite core**
- Rated up to **6A**
- Supplied loose

Dimensions (mm)

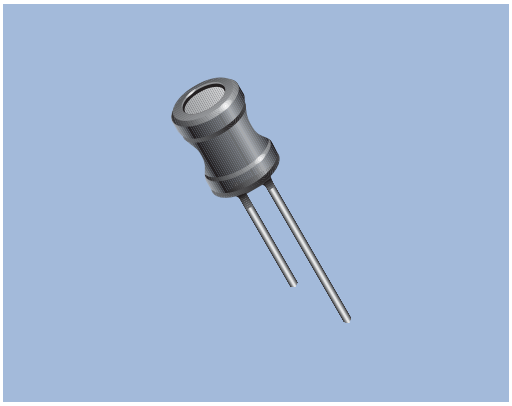


Specification	RLB0912
Inductance range	1µH to 1000µH
Operating temperature range	-20°C to +80°C

Packaging
Loose

ORDER CODES

Value (µH)	Tolerance	Q Ref.	Test Freq. L (kHz)	Test Freq. Q (MHz)	SRF min. (MHz)	RDC max. (Ω)	IDC max. (A)	Order Code
1.0	20%	30	1	7.96	88	0.010	6.0	***RLB0912-1R0ML***
1.5	20%	30	1	7.96	78	0.008	5.4	***RLB0912-1R5ML***
2.2	20%	30	1	7.96	63	0.010	4.5	***RLB0912-2R2ML***
3.3	20%	30	1	7.96	50	0.018	3.6	***RLB0912-3R3ML***
4.7	20%	30	1	7.96	41	0.022	3.1	***RLB0912-4R7ML***
6.8	20%	30	1	7.96	33	0.028	2.5	***RLB0912-6R8ML***
10	10%	60	1	2.52	27	0.043	2.1	***RLB0912-100KL***
15	10%	50	1	2.52	21	0.056	1.7	***RLB0912-150KL***
22	10%	50	1	2.52	17	0.086	1.4	***RLB0912-220KL***
33	10%	45	1	2.52	13	0.14	1.1	***RLB0912-330KL***
47	10%	40	1	2.52	11	0.17	0.96	***RLB0912-470KL***
68	10%	35	1	2.52	9.0	0.28	0.79	***RLB0912-680KL***
100	10%	55	1	0.796	7.2	0.33	0.66	***RLB0912-101KL***
150	10%	40	1	0.796	5.7	0.56	0.53	***RLB0912-151KL***
220	10%	30	1	0.796	4.5	0.72	0.44	***RLB0912-221KL***
330	10%	25	1	0.796	3.6	1.1	0.36	***RLB0912-331KL***
470	10%	25	1	0.796	2.9	1.7	0.30	***RLB0912-471KL***
680	10%	25	1	0.796	2.3	2.3	0.25	***RLB0912-681KL***
1000	10%	55	1	0.252	1.9	4.3	0.20	***RLB0912-102KL***

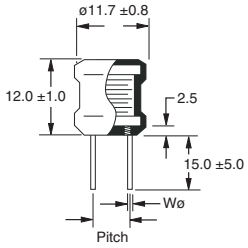


BOURNS type RLB1314

Radial leaded inductors designed for high current circuits and offering current carrying capabilities of up to 5.6A. Available in values between 3.3µH and 15000µH. Supplied loose.

- Inductance values from **3.3µH to 15000µH (15mH)**
- Wide variety of applications
- **Ferrite core**
- Rated up to **5.6A**
- Supplied loose

Dimensions (mm)



Pitch <47µH 9.0 ±1.0
>47µH 7.0 ±0.8

Wø 33 & 47µH 0.6 ±0.05
6.8 to 22µH 0.7 ±0.05
All other values 0.8 ±0.05

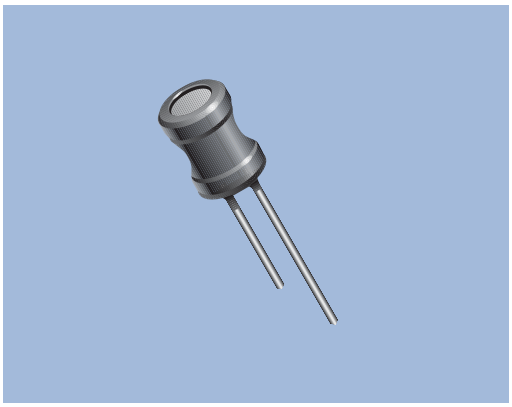
Specification	RLB1314
Inductance range	3.3µH to 15000µH (15mH)
Operating temperature range	-20°C to +80°C

Packaging

Loose

ORDER CODES

Value (µH)	Tolerance	Q Ref.	Test Freq. L (kHz)	Test Freq. Q (MHz)	SRF typ. (MHz)	RDC max. (Ω)	IDC max. (A)	Order Code
3.3	20%	90	1	7.96	59	0.008	5.6	*RLB1314-3R3ML*
4.7	20%	100	1	7.96	45	0.009	4.7	*RLB1314-4R7ML*
6.8	20%	80	1	7.96	34	0.012	3.9	*RLB1314-6R8ML*
10	20%	140	1	2.52	26	0.015	3.2	*RLB1314-100ML*
15	20%	120	1	2.52	19	0.019	2.6	*RLB1314-150ML*
22	10%	110	1	2.52	14	0.026	2.2	*RLB1314-220KL*
33	10%	100	1	2.52	10	0.045	1.8	*RLB1314-330KL*
47	10%	90	1	2.52	8.3	0.056	1.5	*RLB1314-470KL*
68	10%	80	1	2.52	6.7	0.092	1.2	*RLB1314-680KL*
100	10%	70	1	0.796	5.4	0.12	1.0	*RLB1314-101KL*
150	10%	70	1	0.796	4.3	0.20	0.82	*RLB1314-151KL*
220	10%	40	1	0.796	3.4	0.25	0.68	*RLB1314-221KL*
330	10%	40	1	0.796	2.7	0.42	0.55	*RLB1314-331KL*
470	10%	30	1	0.796	2.3	0.51	0.46	*RLB1314-471KL*
680	10%	30	1	0.796	1.9	0.79	0.38	*RLB1314-681KL*
1000	10%	40	1	0.252	1.6	1.3	0.31	*RLB1314-102KL*
1500	10%	30	1	0.252	1.3	1.7	0.25	*RLB1314-152KL*
2200	10%	60	1	0.252	1.1	2.9	0.21	*RLB1314-222KL*
3300	10%	50	1	0.252	0.9	3.7	0.17	*RLB1314-332KL*
4700	10%	50	1	0.252	0.76	5.6	0.14	*RLB1314-472KL*
6800	10%	60	1	0.252	0.65	9.4	0.12	*RLB1314-682KL*
10000 (10mH)	10%	80	1	0.0796	0.53	12	0.10	*RLB1314-103KL*
15000 (15mH)	10%	70	1	0.0796	0.41	15	0.082	*RLB1314-153KL*

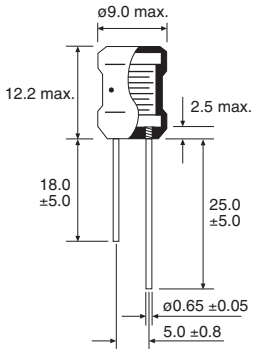


BOURNS type RLB9012

Radial leaded inductors designed for high current circuits and offering current carrying capabilities of up to 10A. Available in values between 1µH and 47000µH. Supplied loose.

- Inductance values from **1µH to 47000µH (47mH)**
- Wide variety of applications
- **Ferrite core**
- Rated up to **10A**
- Supplied loose

Dimensions (mm)



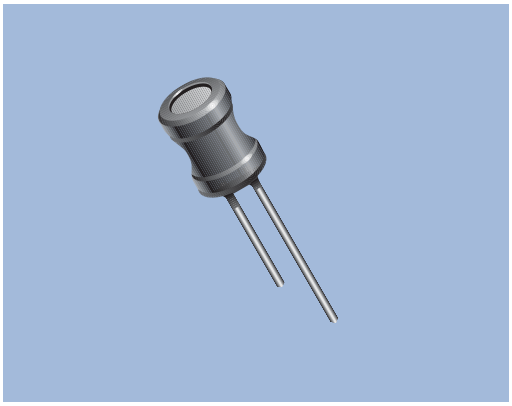
Specification	RLB9012
Inductance range	1µH to 47000µH (47mH)
Operating temperature range	-55°C to +105°C

Packaging
Loose

Type RLB0912

ORDER CODES

Value (µH)	Tolerance	Q Ref.	Test Freq. L (kHz)	Test Freq. Q (MHz)	SRF min. (MHz)	RDC max. (Ω)	IDC max. (A)	Order Code
1.0	20%	20	1	7.96	150	0.013	10.0	*RLB9012-1R0ML*
1.5	20%	20	1	7.96	100	0.016	8.5	*RLB9012-1R5ML*
2.2	20%	20	1	7.96	90	0.021	6.5	*RLB9012-2R2ML*
3.3	20%	20	1	7.96	65	0.025	5.5	*RLB9012-3R3ML*
4.7	20%	20	1	7.96	51	0.030	4.6	*RLB9012-4R7ML*
6.8	20%	20	1	7.96	29	0.035	4.1	*RLB9012-6R8ML*
10	10%	50	1	2.52	14	0.045	3.4	*RLB9012-100KL*
12	10%	50	1	2.52	13	0.050	3.1	*RLB9012-120KL*
15	10%	50	1	2.52	12	0.056	2.9	*RLB9012-150KL*
18	10%	40	1	2.52	11	0.061	2.66	*RLB9012-180KL*
22	10%	40	1	2.52	9.2	0.07	2.40	*RLB9012-220KL*
27	10%	40	1	2.52	8.5	0.08	2.22	*RLB9012-270KL*
33	10%	30	1	2.52	7.8	0.09	2.05	*RLB9012-330KL*
39	10%	30	1	2.52	6.9	0.10	1.85	*RLB9012-390KL*
47	10%	30	1	2.52	6.5	0.16	1.77	*RLB9012-470KL*
56	10%	30	1	2.52	5.4	0.18	1.48	*RLB9012-560KL*
68	10%	30	1	2.52	4.9	0.21	1.36	*RLB9012-680KL*
82	10%	30	1	2.52	4.1	0.23	1.30	*RLB9012-820KL*
100	10%	20	1	0.796	3.7	0.28	1.40	*RLB9012-101KL*
120	10%	20	1	0.796	3.4	0.32	1.25	*RLB9012-121KL*
150	10%	20	1	0.796	3.2	0.37	1.15	*RLB9012-151KL*
180	10%	20	1	0.796	2.8	0.58	1.08	*RLB9012-181KL*
220	10%	20	1	0.796	2.7	0.65	1.0	*RLB9012-221KL*
270	10%	20	1	0.796	2.4	0.75	0.9	*RLB9012-271KL*
330	10%	20	1	0.796	2.3	0.85	0.78	*RLB9012-331KL*
390	10%	20	1	0.796	2.1	1.0	0.74	*RLB9012-391KL*
470	10%	20	1	0.796	1.9	1.1	0.68	*RLB9012-471KL*
560	10%	20	1	0.796	1.8	1.4	0.64	*RLB9012-561KL*
680	10%	20	1	0.796	1.6	1.6	0.59	*RLB9012-681KL*
820	10%	20	1	0.796	1.5	1.8	0.56	*RLB9012-821KL*
1000	10%	20	1	0.252	1.3	2.9	0.51	*RLB9012-102KL*
1200	10%	15	1	0.252	1.2	3.4	0.48	*RLB9012-122KL*
1500	10%	15	1	0.252	1.1	3.8	0.43	*RLB9012-152KL*
1800	10%	15	1	0.252	1.0	5.3	0.39	*RLB9012-182KL*
2200	10%	15	1	0.252	0.8	5.9	0.36	*RLB9012-222KL*
2700	10%	15	1	0.252	0.7	8.2	0.32	*RLB9012-272KL*
3300	10%	15	1	0.252	0.6	9.1	0.29	*RLB9012-332KL*
3900	10%	15	1	0.252	0.55	9.9	0.27	*RLB9012-392KL*
4700	10%	15	1	0.252	0.5	13.6	0.24	*RLB9012-472KL*
5600	10%	15	1	0.252	0.45	14.9	0.22	*RLB9012-562KL*
6800	10%	15	1	0.252	0.4	20.7	0.20	*RLB9012-682KL*
8200	10%	15	1	0.252	0.35	22.7	0.18	*RLB9012-822KL*
10000 (10mH)	10%	15	1	0.079	0.32	25.1	0.17	*RLB9012-103KL*
12000 (12mH)	10%	15	1	0.079	0.28	34.7	0.15	*RLB9012-123KL*
15000 (15mH)	10%	15	1	0.079	0.25	48.9	0.14	*RLB9012-153KL*
18000 (18mH)	10%	15	1	0.079	0.23	53.6	0.12	*RLB9012-183KL*
10000 (10mH)	10%	15	1	0.079	0.32	25.1	0.17	*RLB9012-103KL*
12000 (12mH)	10%	15	1	0.079	0.28	34.7	0.15	*RLB9012-123KL*
15000 (15mH)	10%	15	1	0.079	0.25	48.9	0.14	*RLB9012-153KL*
18000 (18mH)	10%	15	1	0.079	0.23	53.6	0.12	*RLB9012-183KL*
22000 (22mH)	10%	15	1	0.079	0.21	59.3	0.11	*RLB9012-223KL*
27000 (27mH)	10%	15	1	0.079	0.19	82.7	0.10	*RLB9012-273KL*
33000 (33mH)	10%	15	1	0.079	0.17	91.5	0.09	*RLB9012-323KL*
39000 (39mH)	10%	15	1	0.079	0.15	125.5	0.08	*RLB9012-393KL*
47000 (47mH)	10%	15	1	0.079	0.12	137.8	0.08	*RLB9012-473KL*

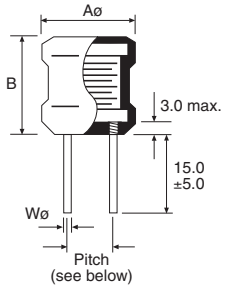


BOURNS type LPV Series

Radial leaded inductors designed for high current circuits and offering current carrying capabilities of up to 5A with a choice of package sizes to suit customer needs. Available in values between 10µH and 2000µH. Supplied loose.

- Inductance values from **10µH to 2000µH**
- Choice of package sizes
- Wide variety of applications
- **Ferrite core**
- Rated up to **5A**
- Supplied loose

Dimensions (mm)



Type	Aø max.	B max.	Wø
LPV1620	16	20	1.0 ±0.1
LPV1823	18	23	1.0 ±0.1*
LPV2023	20	23	1.0 ±0.1**

* 10µH 1.2 ±0.1
** 10µH 1.3 ±0.1

Specification	LPV	Packaging
Inductance range	10µH to 2000µH	Loose
Operating temperature range	-20°C to +80°C	

Type LPV1620

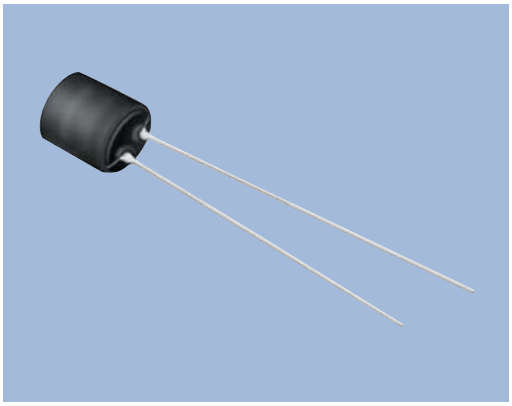
ORDER CODES					
Value (µH)	Pitch (±1.5mm)	Tolerance	RDC max. (Ω)	IDC max. (A)	Order Code
10	8.0	20%	0.024	5.0	*LPV1620-100ML*
25	8.0	10%	0.04	4.0	*LPV1620-250KL*
50	8.0	10%	0.06	3.0	*LPV1620-500KL*
100	8.0	10%	0.09	2.0	*LPV1620-101KL*
250	8.0	10%	0.18	1.5	*LPV1620-251KL*
500	8.0	10%	0.40	1.0	*LPV1620-501KL*
1000	8.0	10%	0.80	0.7	*LPV1620-102KL*

Type LPV1823

ORDER CODES					
Value (µH)	Pitch (±1.5mm)	Tolerance	RDC max. (Ω)	IDC max. (A)	Order Code
10	14.0	20%	0.009	8.0	*LPV1823-100M*
25	14.0	10%	0.022	6.0	*LPV1823-250KL*
50	14.0	10%	0.036	4.0	*LPV1823-500KL*
100	9.0	10%	0.09	3.0	*LPV1823-101KL*
250	9.0	10%	0.15	2.0	*LPV1823-251KL*
500	9.0	10%	0.30	1.2	*LPV1823-501KL*
1000	9.0	10%	0.60	1.0	*LPV1823-102KL*

Type LPV2023

ORDER CODES					
Value (µH)	Pitch (±1.5mm)	Tolerance	RDC max. (Ω)	IDC max. (A)	Order Code
10	15.5	20%	0.008	10.0	*LPV2023-100M*
50	15.5	10%	0.032	5.0	*LPV2023-500KL*
100	15.5	10%	0.06	4.0	*LPV2023-101KL*
250	12.5	10%	0.14	2.5	*LPV2023-251KL*
500	12.5	10%	0.28	1.5	*LPV2023-501KL*
1000	12.5	10%	0.55	1.2	*LPV2023-102KL*
2000	12.5	10%	1.20	0.8	*LPV2023-202KL*

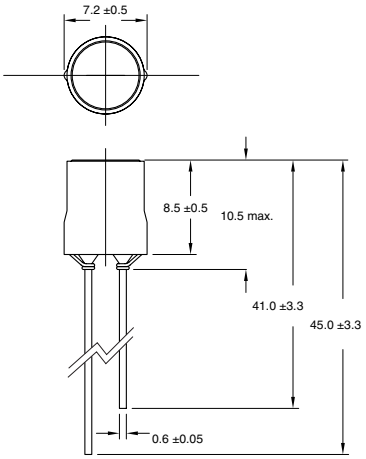


MURATA PS types 1700 & 2200R

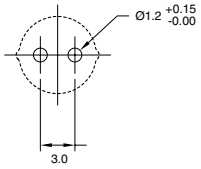
Radial leaded general purpose inductors designed for low to medium currents. The miniature size package is an ideal replacement for chip inductors that are not able to cope with the power requirement. Supplied loose.

- Inductance values from **10µH to 68000µH (68mH)**
- Low DC resistance
- Small package
- **Ferrite core**
- Rated up to **1.8A**
- Supplied loose

Dimensions (mm)



PCB Hole Pattern



Specification	1700 & 2200R
Inductance range	10µH to 68000µH (68mH)
Operating temperature range	
1700	0°C to +70°C
2200R	-25°C to +70°C

Packaging
Loose

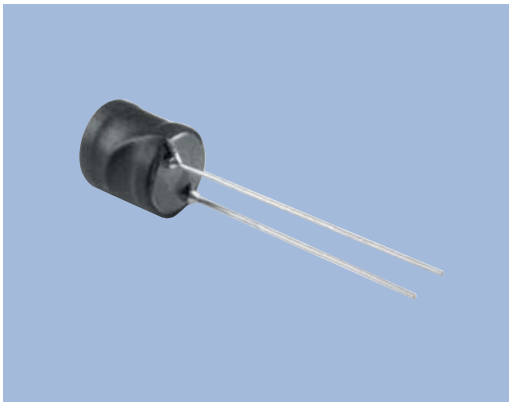
1700 & 2200R continued overleaf > > > >

1700 Series

ORDER CODES								
Value (µH)	Tolerance	Test Frequency (kHz)	Q	Test Frequency (kHz)	SRF (Mhz)	DC Resistance max. (Ω)	DC Current max. (A)	Order Code
10	10%	1	40	1000	21.2	0.05	1.8	*17103C*
15	10%	1	30	500	19.4	0.06	1.5	*17153C*
22	10%	1	30	500	17.0	0.08	1.2	*17223C*
33	10%	1	25	500	11.4	0.13	1.0	*17333C*
47	10%	1	25	500	10.9	0.2	0.86	*17473C*
68	10%	1	70	100	10.6	0.26	0.85	*17683C*
100	10%	1	65	100	8.9	0.35	0.74	*17104C*
150	10%	1	80	100	6.2	0.49	0.58	*17154C*
220	10%	1	90	100	5.4	0.75	0.48	*17224C*
330	10%	1	95	100	4.5	1.1	0.42	*17334C*
470	10%	1	100	100	3.2	1.5	0.34	*17474C*
680	10%	1	105	100	3.0	2.4	0.28	*17684C*
1000	10%	1	120	100	2.5	3.3	0.19	*17105C*
1500	10%	1	130	100	2.1	5.9	0.15	*17155C*
2200	10%	1	130	50	1.9	7.8	0.12	*17225C*
3300	10%	1	125	150	1.2	9.1	0.11	*17335C*
4700	10%	1	130	150	0.95	12	0.09	*17475C*
6800	10%	1	135	150	0.85	20	0.08	*17685C*
10000 (10mH)	10%	1	140	150	0.62	34	0.07	*17106C*
15000 (15mH)	10%	1	145	150	0.51	45	0.06	*17156C*
22000 (22mH)	10%	1	100	50	0.34	75	0.05	*17226C*
33000 (33mH)	10%	1	90	50	0.28	100	0.04	*17336C*
47000 (47mH)	10%	1	80	50	0.25	140	0.03	*17476C*
68000 (68mH)	10%	1	70	50	0.20	220	0.02	*17686C*

2200R Series

ORDER CODES								
Value (µH)	Tolerance	Test Frequency (kHz)	Q	Test Frequency (kHz)	SRF (MHz)	DC Resistance max. (Ω)	DC Current max. (A)	Order Code
10	10%	1	40	1000	21.2	0.05	1.62	*22R103C*
15	10%	1	30	500	19.4	0.07	1.35	*22R153C*
22	10%	1	30	500	17.0	0.09	1.08	*22R223C*
33	10%	1	25	500	11.4	0.14	0.90	*22R333C*
47	10%	1	25	500	10.9	0.22	0.77	*22R473C*
68	10%	1	70	100	10.6	0.28	0.77	*22R683C*
100	10%	1	65	100	8.9	0.39	0.67	*22R104C*
150	10%	1	80	100	6.2	0.54	0.52	*22R154C*
220	10%	1	90	100	5.4	0.83	0.43	*22R224C*
330	10%	1	95	100	4.5	1.21	0.38	*22R334C*
470	10%	1	100	100	3.2	1.65	0.31	*22R474C*
680	10%	1	105	100	3.0	2.64	0.25	*22R684C*
1000	10%	1	120	100	2.5	3.63	0.17	*22R105C*
1500	10%	1	130	100	2.1	6.49	0.13	*22R155C*
2200	10%	1	130	50	1.9	8.58	0.11	*22R225C*
3300	10%	1	125	150	1.2	10.0	0.10	*22R335C*
4700	10%	1	130	150	0.95	13.2	0.081	*22R475C*
6800	10%	1	135	150	0.85	22.0	0.072	*22R685C*
10000 (10mH)	10%	1	140	150	0.62	37.4	0.063	*22R106C*
15000 (15mH)	10%	1	145	150	0.51	49.5	0.054	*22R156C*
22000 (22mH)	10%	1	100	50	0.34	82.5	0.045	*22R226C*
33000 (33mH)	10%	1	90	50	0.28	110	0.036	*22R336C*
47000 (47mH)	10%	1	80	50	0.25	154	0.027	*22R476C*
68000 (68mH)	10%	1	70	50	0.20	242	0.018	*22R686C*

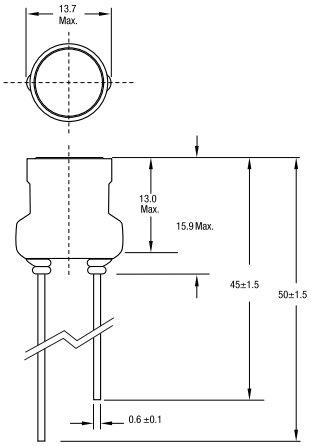


MURATA PS type 1800R

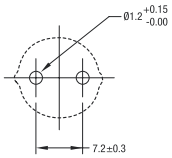
Radial leaded general purpose inductors designed for high current in a small package, ideal where space is premium. Supplied loose.

- Inductance values from **4.7µH to 10000µH (10mH)**
- Low DC resistance
- Small footprint
- **Ferrite core**
- Rated up to **5.35A**
- Supplied loose

Dimensions (mm)



PCB Hole Pattern

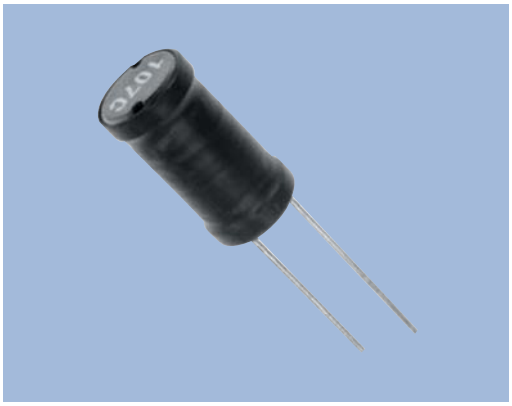


Specification	1800R
Inductance range	4.7µH to 10000µH (10mH)
Operating temperature range	0°C to +70°C

Packaging
Loose

ORDER CODES

Value (µH)	Tolerance	Test Frequency (kHz)	Q	Test Frequency (kHz)	SRF (MHz)	DC Resistance max. (Ω)	DC Current max. (A)	Order Code
4.7	15%	1	106	1000	35.1	0.009	5.35	*18R472C*
6.8	10%	1	73	500	26.3	0.012	4.15	*18R682C*
10	10%	1	59	500	23.8	0.015	3.45	*18R103C*
15	10%	1	55	500	17.0	0.018	3.0	*18R153C*
22	10%	1	51	500	14.1	0.025	2.42	*18R223C*
33	10%	1	48	500	11.5	0.04	2.0	*18R333C*
47	10%	1	46	500	9.85	0.055	1.65	*18R473C*
68	10%	1	27	100	8.29	0.07	1.35	*18R683C*
100	10%	1	40	100	7.40	0.10	1.2	*18R104C*
150	10%	1	40	100	5.58	0.165	1.1	*18R154C*
220	10%	1	39	100	4.0	0.23	0.9	*18R224C*
250	10%	1	40	100	3.85	0.255	0.8	*18R254C*
330	10%	1	49	100	3.57	0.335	0.73	*18R334C*
470	10%	1	50	100	2.81	0.465	0.60	*18R474C*
680	10%	1	48	100	2.43	0.63	0.53	*18R684C*
1000	10%	1	92	50	1.82	1.0	0.44	*18R105C*
1500	10%	1	106	50	1.60	1.5	0.33	*18R155C*
2200	10%	1	106	50	1.41	2.2	0.30	*18R225C*
3300	10%	1	139	50	1.04	3.5	0.22	*18R335C*
4700	10%	1	126	40	0.87	4.6	0.20	*18R475C*
6800	10%	1	143	40	0.71	7.0	0.15	*18R685C*
10000 (10mH)	10%	1	142	40	0.58	12	0.13	*18R106C*

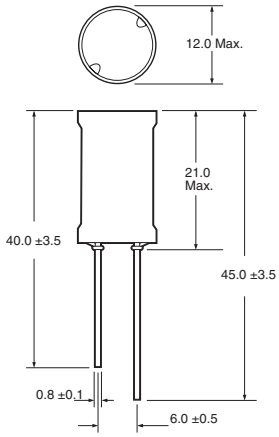


MURATA PS type 1900R

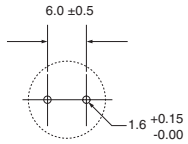
Radial leaded general purpose inductors designed for low to medium currents. Suitable for a variety of applications, such as power supply and filtering, and offering high inductance values up to 100mH. Supplied loose.

- Inductance values from **4.7µH to 100000µH (100mH)**
- Low DC resistance
- **Ferrite core**
- Rated up to **7.8A**
- Supplied loose

Dimensions (mm)



PCB Hole Pattern



Specification	1900R
Inductance range	4.7µH to 100000µH (100mH)
Operating temperature range	-40°C to +95°C

Packaging
Loose

ORDER CODES

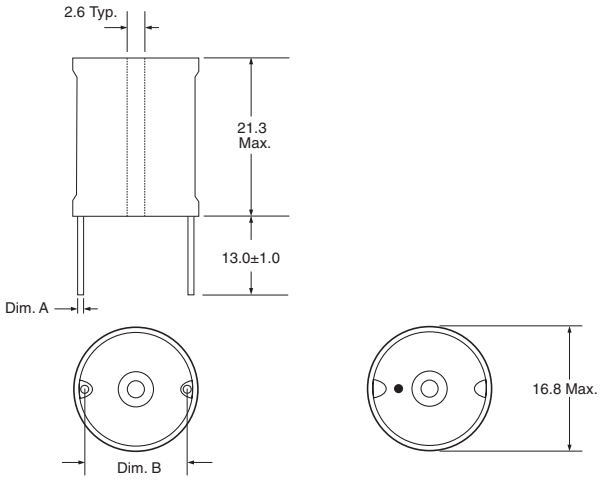
Value (µH)	Tolerance	Test Frequency (kHz)	DC Resistance max. (Ω)	DC Current max. (A)	Order Code
4.7	20%	1	0.008	7.8	***19R472C***
6.8	20%	1	0.011	6.7	***19R682C***
10	10%	1	0.017	6.0	***19R103C***
15	10%	1	0.022	4.8	***19R153C***
22	10%	1	0.026	4.0	***19R223C***
33	10%	1	0.032	3.7	***19R333C***
47	10%	1	0.038	3.4	***19R473C***
68	10%	1	0.055	2.9	***19R683C***
100	10%	1	0.090	2.2	***19R104C***
150	10%	1	0.129	1.9	***19R154C***
220	10%	1	0.162	1.6	***19R224C***
330	10%	1	0.240	1.34	***19R334C***
470	10%	1	0.380	1.09	***19R474C***
680	10%	1	0.548	0.91	***19R684C***
1000	10%	1	0.844	0.73	***19R105C***
1500	10%	1	1.2	0.63	***19R155C***
2200	10%	1	2.0	0.50	***19R225C***
3300	10%	1	2.5	0.42	***19R335C***
4700	10%	1	3.5	0.35	***19R475C***
6800	10%	1	5.7	0.29	***19R685C***
10000 (10mH)	10%	1	7.3	0.23	***19R106C***
15000 (15mH)	10%	1	12	0.19	***19R156C***
22000 (22mH)	10%	1	22	0.15	***19R226C***
33000 (33mH)	10%	1	26	0.13	***19R336C***
47000 (47mH)	10%	1	36	0.11	***19R476C***
68000 (68mH)	10%	1	57	0.09	***19R686C***
100000 (100mH)	10%	1	90	0.07	***19R107C***

MURATA PS type 1500

Radial leaded general purpose inductors designed for low to medium currents. A central fixing hole allows mechanical fixing with a non-metallic screw. Supplied loose.

- Inductance values from **1µH to 1000µH**
- Low DC resistance
- Central fixing hole
- **Ferrite core**
- Rated up to **16.2A**
- Supplied loose

Dimensions (mm)

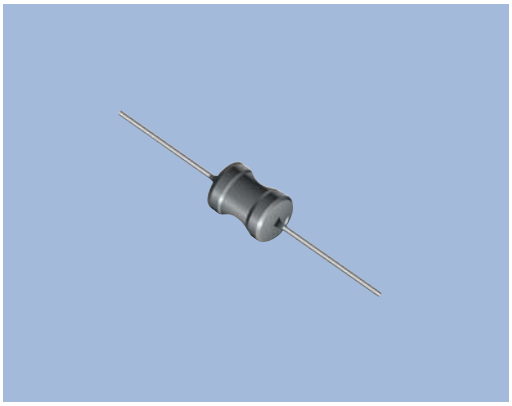


Specification	1500
Inductance range	1µH to 1000µH
Operating temperature range	-40°C to +85°C

Packaging
Loose

ORDER CODES

Value (µH)	Tolerance	Test Frequency (kHz)	Q	Test Frequency (kHz)	SRF (MHz)	DC Resistance max. (Ω)	DC Current max. (A)	Dimensions (mm) A (Lead Dia.)	B (Pitch)	Order Code
1.0	20%	10	151	1000	142	2.76	16.2	1.18	13.6	***15102C***
1.5	20%	10	155	1000	108	3.48	14.9	1.18	13.6	***15152C***
2.2	20%	10	127	1000	82	4.20	15.0	1.18	13.6	***15222C***
3.3	20%	10	128	1000	68	5.76	11.8	1.18	13.6	***15332C***
4.7	20%	10	131	1000	60	6.48	11.7	1.18	13.6	***15472C***
6.8	20%	10	133	1000	46	8.04	10.2	1.18	14.0	***15682C***
10	10%	10	112	1000	30	10.6	9.01	1.18	14.5	***15103C***
15	10%	10	109	1000	19	15.5	7.44	1.06	14.2	***15153C***
22	10%	10	102	1000	11	18.8	6.80	1.06	13.6	***15223C***
33	10%	10	107	1000	8	31.2	5.08	0.90	13.8	***15333C***
47	10%	10	104	1000	5	45.6	4.04	0.80	14.2	***15473C***
68	10%	10	100	1000	4	70.3	3.33	0.71	13.6	***15683C***
100	10%	10	89	1000	3	110	2.62	0.63	13.8	***15104C***
150	10%	10	126	800	2	149	2.28	0.60	13.6	***15154C***
220	10%	10	69	20	2	185	2.08	0.60	14.0	***15224C***
330	10%	10	68	20	1.6	263	1.71	0.56	13.8	***15334C***
470	10%	10	76	20	1.3	389	1.40	0.50	14.2	***15474C***
680	10%	10	86	25	1.0	574	1.12	0.45	14.0	***15684C***
1000	10%	10	96	30	0.8	887	0.91	0.40	13.6	***15105C***

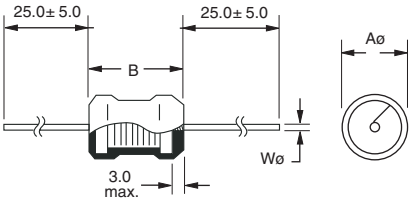


BOURNS type LPA Series

Axial leaded power inductors, available in a choice of sizes depending on current needs.

- Inductance values from **10µH to 1000µH**
- Choice of package sizes
- General purpose use
- **Ferrite core**
- Rated up to **5A**

Dimensions (mm)



Type	Aø max.	B max.	Wø
LPA0618	6	18	0.65 ±0.05
LPA1020	10	20	0.65 ±0.05
LPA1226	12	26	0.8 ±0.05

Specification	LPA
Inductance range	10µH to 1000µH
Operating temperature range	-20°C to +80°C

Type LPA0618

ORDER CODES

Value (µH)	Tolerance	Test Freq (kHz)	RDC max. (Ω)	IDC max. (A)	Order Code
10	10%	1	0.075	2.0	*LPA0618-100KL*
25	10%	1	0.15	1.2	*LPA0618-250KL*
50	10%	1	0.2	0.8	*LPA0618-500KL*
100	10%	1	0.3	0.6	*LPA0618-101KL*
250	10%	1	1.0	0.4	*LPA0618-251KL*
500	10%	1	2.0	0.25	*LPA0618-501KL*
1000	10%	1	3.0	0.2	*LPA0618-102KL*

Type LPA1020

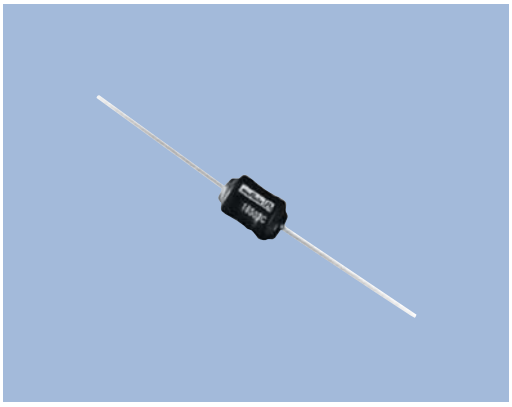
ORDER CODES

Value (µH)	Tolerance	Test Freq (kHz)	RDC max. (Ω)	IDC max. (A)	Order Code
10	10%	1	0.05	3.5	*LPA1020-100KL*
25	10%	1	0.085	2.5	*LPA1020-250KL*
50	10%	1	0.12	2.0	*LPA1020-500KL*
100	10%	1	0.18	1.4	*LPA1020-101KL*
250	10%	1	0.5	0.8	*LPA1020-251KL*
500	10%	1	1.0	0.6	*LPA1020-501KL*
1000	10%	1	2.2	0.4	*LPA1020-102KL*

Type LPA1226

ORDER CODES

Value (µH)	Tolerance	Test Freq (kHz)	RDC max. (Ω)	IDC max. (A)	Order Code
10	10%	1	0.03	5.0	*LPA1226-100KL*
25	10%	1	0.045	4.0	*LPA1226-250KL*
50	10%	1	0.08	3.0	*LPA1226-500KL*
100	10%	1	0.125	2.0	*LPA1226-101KL*
250	10%	1	0.3	1.2	*LPA1226-251KL*
500	10%	1	0.5	0.8	*LPA1226-501KL*
1000	10%	1	1.2	0.6	*LPA1226-102KL*

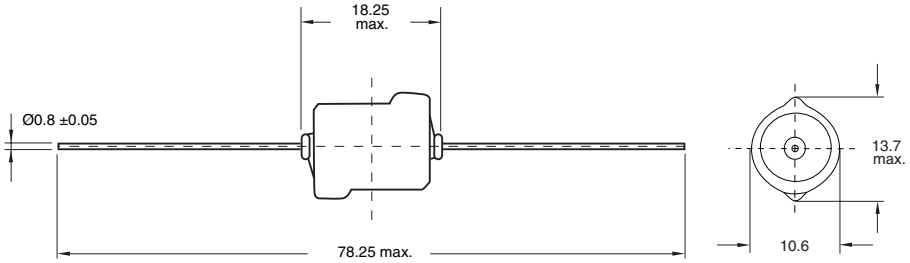


MURATA PS type 1800

Axial leaded power inductors, offering low DC resistance in a compact package.

- Inductance values from **4.7µH to 10000µH (10mH)**
- Compact size
- **Ferrite core**
- Low DC resistance
- Rated up to **5.35A**

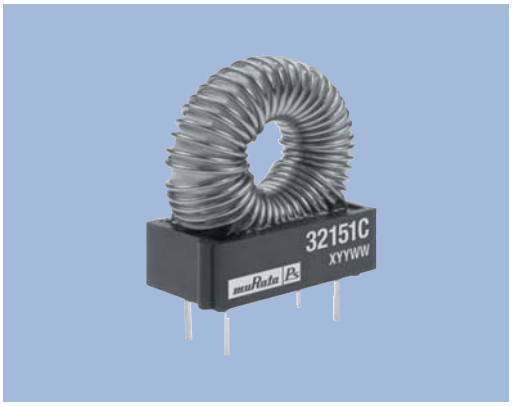
Dimensions (mm)



Specification	1800
Inductance range	4.7µH to 10000µH (10mH)
Operating temperature range	0°C to +70°C

ORDER CODES

Value (µH)	Tolerance	Test Frequency (kHz)	Q	Test Frequency (kHz)	SRF (MHz)	DC Resistance max. (Ω)	DC Current max. (A)	Order Code
4.7	10%	1	112	1000	36.4	0.009	5.35	*18472C*
6.8	10%	1	78	500	23.6	0.012	4.15	*18682C*
10	10%	1	64	500	19.0	0.015	3.45	*18103C*
15	10%	1	55	500	15.9	0.018	3.0	*18153C*
22	10%	1	59	500	11.8	0.025	2.42	*18223C*
33	10%	1	48	500	11.5	0.04	2.0	*18333C*
47	10%	1	55	500	8.5	0.055	1.65	*18473C*
68	10%	1	31	100	6.6	0.07	1.35	*18683C*
100	10%	1	40	100	7.4	0.10	1.2	*18104C*
150	10%	1	47	100	4.4	0.165	1.1	*18154C*
220	10%	1	46	100	3.5	0.23	0.9	*18224C*
250	10%	1	50	100	3.7	0.255	0.8	*18254C*
330	10%	1	58	100	3.0	0.335	0.73	*18334C*
470	10%	1	56	100	2.2	0.465	0.60	*18474C*
680	10%	1	55	100	2.0	0.63	0.53	*18684C*
1000	10%	1	94	50	1.6	1.0	0.44	*18105C*
1500	10%	1	107	50	1.3	1.5	0.33	*18155C*
2200	10%	1	108	50	1.1	2.2	0.30	*18225C*
3300	10%	1	143	50	0.8	3.5	0.22	*18335C*
4700	10%	1	128	40	0.7	4.6	0.20	*18475C*
6800	10%	1	144	40	0.6	7.0	0.15	*18685C*
10000 (10mH)	10%	1	143	40	0.5	12	0.13	*18106C*

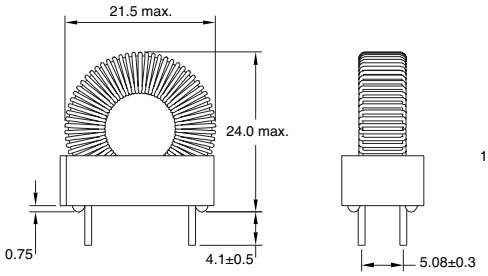


MURATA PS type 3200

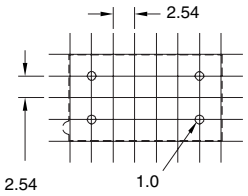
A range of through-hole power inductors, which due to the toroidal construction exhibit a very low EMI as stray flux is kept to a minimum. Typical applications include switching regulators, and power line filtering. Supplied loose.

- Inductance values from **10µH to 1000µH**
- Low EMI
- Rated up to **4.5A**
- Low DC resistance
- Supplied loose

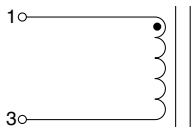
Dimensions (mm)



PCB Hole Pattern



Schematic



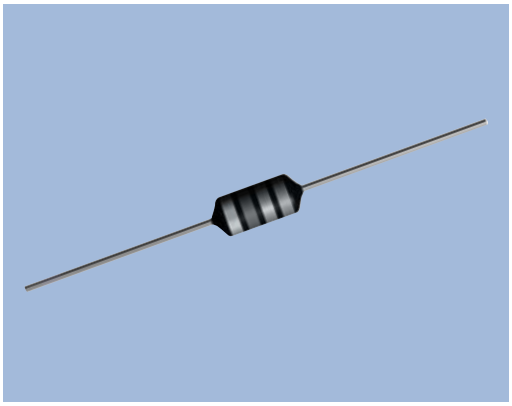
Specification	3200
Inductance range	10µH to 1000µH
Operating temperature range	-40°C to +125°C

Packaging

Loose

ORDER CODES

Value (µH)	Tolerance	Q nom.	Test Frequency (MHz)	SRF typ. (MHz)	DC Resistance max. (mΩ)	DC Current max. (A)	Order Code
10	15%	3.1	1.0	69	20	4.5	***32100C***
15	15%	3.1	1.0	53	24	3.7	***32150C***
22	15%	3.2	1.0	41	29	3.0	***32220C***
33	15%	3.2	1.0	28	36	2.5	***32330C***
47	15%	3.1	1.0	21	42	2.1	***32470C***
68	15%	3.1	1.0	11	62	1.7	***32680C***
100	15%	3.5	0.8	5.3	77	1.4	***32101C***
150	15%	3.3	0.8	3.3	117	1.2	***32151C***
220	15%	3.3	0.8	2.8	141	0.96	***32221C***
330	15%	3.2	0.8	2.3	215	0.78	***32331C***
470	15%	2.8	0.8	1.6	312	0.66	***32471C***
680	15%	2.0	0.8	1.2	377	0.55	***32681C***
1000	15%	1.2	0.8	1.0	568	0.45	***32102C***

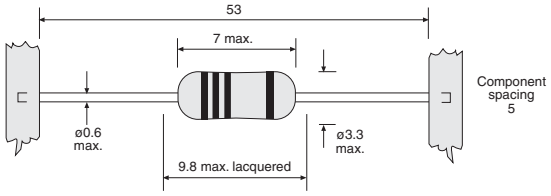


EPCOS type B78108T (MCC)

A range of taped axial lead RF chokes, which are also available to order in radial style. The bodies have a flame retardant lacquer coating and offer a low total height. Supplied taped and available reeled.

- Inductance values from **0.1µH to 100µH**
- Mini Cylinder Core (MCC)
- Flame retardant coating
- **Ceramic/Ferrite core**
- Supplied taped
- Available on reels

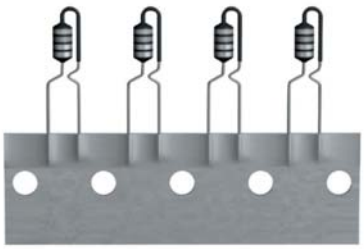
Dimensions (mm)



Specification	B78108T (MCC)
Inductance range	0.1µH to 100µH
Rated temperature	40°C

Packaging	
Tape	53mm wide, 5mm pitch
Reel	360mm dia. (optional)

A taped radial lead option, crimped to 5mm pitch, is available to order



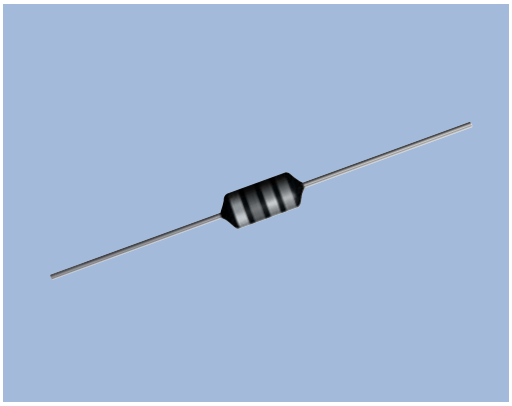
B78108T (MCC) continued overleaf > > > >

+44 (0)1945 47 47 47 www.anglia.com info@anglia.com

continuation

Type B78108T (MCC)

ORDER CODES							
Value (µH)	Tolerance	Q min.	Test Frequency (MHz)	Resonant Frequency min. (MHz)	DC Resistance max. (Ω)	Rated Current (mA)	Order Code
Ceramic Cylinder Core							
0.1	10%	40	25.2	600	0.13	1120	***B78108T3101K***
0.12	10%	40	25.2	570	0.145	1080	***B78108T3121K***
0.15	10%	38	25.2	500	0.155	1020	***B78108T3151K***
0.18	10%	35	25.2	460	0.17	1000	***B78108T3181K***
0.22	10%	35	25.2	420	0.195	990	***B78108T3221K***
0.27	10%	35	25.2	380	0.215	910	***B78108T3271K***
0.33	10%	35	25.2	330	0.24	830	***B78108T3331K***
0.39	10%	35	25.2	300	0.27	790	***B78108T3391K***
0.47	10%	35	25.2	280	0.315	750	***B78108T3471K***
0.56	10%	35	25.2	260	0.34	700	***B78108T3561K***
0.68	10%	35	25.2	240	0.48	530	***B78108T3681K***
0.82	10%	35	25.2	230	0.55	500	***B78108T3821K***
Ferrite Cylinder Core							
1.0	10%	35	25.2	180	0.25	630	***B78108T1102K***
1.2	10%	40	7.96	170	0.25	610	***B78108T1122K***
1.5	10%	40	7.96	150	0.3	570	***B78108T1152K***
1.8	10%	40	7.96	130	0.3	540	***B78108T1182K***
2.2	10%	40	7.96	120	0.35	520	***B78108T1222K***
2.7	10%	40	7.96	110	0.4	480	***B78108T1272K***
3.3	10%	40	7.96	110	0.5	420	***B78108T1332K***
3.9	10%	40	7.96	100	0.55	400	***B78108T1392K***
4.7	10%	40	7.96	90	0.65	380	***B78108T1472K***
5.6	10%	45	7.96	75	1.3	260	***B78108T1562K***
6.8	10%	45	7.96	70	1.45	250	***B78108T1682K***
8.2	10%	50	7.96	65	1.6	240	***B78108T1822K***
10	10%	50	7.96	60	1.7	230	***B78108T1103K***
12	10%	55	2.52	50	2.4	190	***B78108T1123K***
15	10%	55	2.52	45	2.7	185	***B78108T1153K***
18	10%	55	2.52	40	2.9	175	***B78108T1183K***
22	10%	60	2.52	30	3.2	170	***B78108T1223K***
27	10%	60	2.52	27	3.6	160	***B78108T1273K***
33	10%	60	2.52	24	4.1	150	***B78108T1333K***
39	10%	60	2.52	22	4.5	140	***B78108T1393K***
47	10%	60	2.52	20	8.5	100	***B78108T1473K***
56	10%	60	2.52	18	8.8	100	***B78108T1563K***
68	10%	60	2.52	15	10	95	***B78108T1683K***
82	10%	60	2.52	14	11.5	90	***B78108T1823K***
100	10%	60	2.52	11	12.5	85	***B78108T1104K***

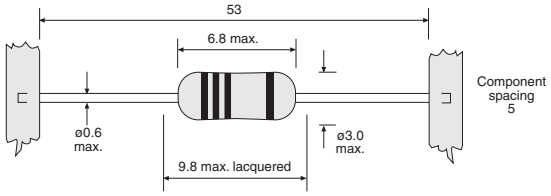


EPCOS type B82141A (SBC)

A range of taped axial lead RF chokes, which are also available to order in radial style. The bodies have a flame retardant lacquer coating and offer a low total height. Supplied taped and available reeled.

- Inductance values from **1µH to 1000µH**
- Small Bobbin Core (SBC)
- Flame retardant coating
- **Ferrite core**
- Supplied taped
- Available on reels

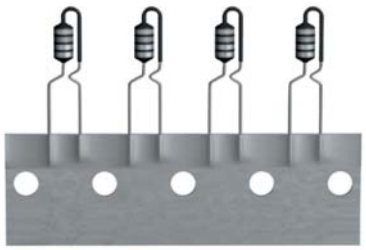
Dimensions (mm)



Specification	B82141A (SBC)
Inductance range	1µH to 1000µH
Rated temperature	40°C

Packaging	
Tape	53mm wide, 5mm pitch
Reel	360mm dia. (optional)

A taped radial lead option, crimped to 5mm pitch, is available to order

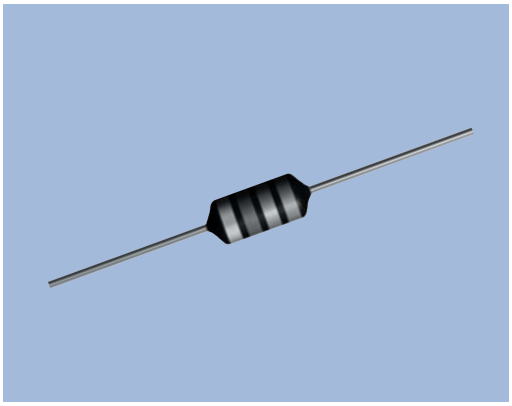


B82141A (SBC) continued overleaf > > > >

continuation

Type B82141A (SBC)

ORDER CODES							
Value (µH)	Tolerance	Q min.	Test Frequency (MHz)	Resonant Frequency min. (MHz)	DC Resistance max. (Ω)	Rated Current (mA)	Order Code
1.0	10%	40	7.96	180	0.19	725	***B82141A1102K***
1.2	10%	40	7.96	160	0.20	700	***B82141A1122K***
1.5	10%	40	7.96	155	0.22	670	***B82141A1152K***
1.8	10%	45	7.96	145	0.23	660	***B82141A1182K***
2.2	10%	45	7.96	130	0.25	630	***B82141A1222K***
2.7	10%	45	7.96	110	0.27	610	***B82141A1272K***
3.3	10%	50	7.96	90	0.30	580	***B82141A1332K***
3.9	10%	50	7.96	70	0.32	560	***B82141A1392K***
4.7	10%	50	7.96	60	0.36	530	***B82141A1472K***
5.6	10%	50	7.96	50	0.38	510	***B82141A1562K***
6.8	10%	50	7.96	40	0.43	480	***B82141A1682K***
8.2	10%	50	7.96	30	0.52	450	***B82141A1822K***
10	10%	55	2.52	25	0.60	410	***B82141A1103K***
12	10%	55	2.52	20	0.67	385	***B82141A1123K***
15	10%	55	2.52	17	0.74	365	***B82141A1153K***
18	10%	55	2.52	14	0.81	350	***B82141A1183K***
22	10%	55	2.52	12	0.9	335	***B82141A1223K***
27	10%	55	2.52	11	1.0	315	***B82141A1273K***
33	10%	55	2.52	10	1.12	300	***B82141A1333K***
39	10%	55	2.52	8.5	1.21	285	***B82141A1393K***
47	5%	55	2.52	7.7	2.4	200	***B82141A1473J***
56	5%	55	2.52	6.8	2.6	195	***B82141A1563J***
68	5%	55	2.52	5.7	2.9	185	***B82141A1683J***
82	5%	55	2.52	5.5	3.2	175	***B82141A1823J***
100	5%	60	0.796	5.3	3.5	170	***B82141A1104J***
120	5%	60	0.796	5.0	3.8	160	***B82141A1124J***
150	5%	60	0.796	4.6	4.3	150	***B82141A1154J***
180	5%	60	0.796	4.2	5.3	135	***B82141A1184J***
220	5%	60	0.796	3.8	5.8	130	***B82141A1224J***
270	5%	60	0.796	3.2	7.8	115	***B82141A1274J***
330	5%	60	0.796	3.0	9.1	105	***B82141A1334J***
390	5%	60	0.796	2.7	11	95	***B82141A1394J***
470	5%	60	0.796	2.3	12	90	***B82141A1474J***
560	5%	60	0.796	2.2	16.5	75	***B82141A1564J***
680	5%	60	0.796	2.0	22	65	***B82141A1684J***
820	5%	60	0.796	1.8	25	60	***B82141A1824J***
1000	5%	60	0.796	1.5	33	55	***B82141A1105J***

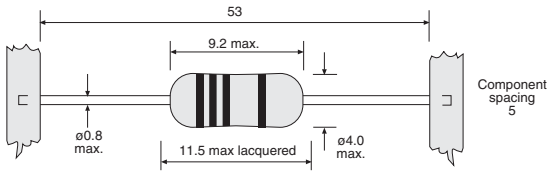


EPCOS type B78108S (BC)

A range of taped axial lead RF chokes, which are also available to order in radial style. The bodies have a flame retardant lacquer coating and offer a low total height. Supplied taped and available reeled.

- Inductance values from **1µH to 4700µH**
- Bobbin Core (BC)
- Flame retardant coating
- **Ferrite core**
- Supplied taped
- Available on reels

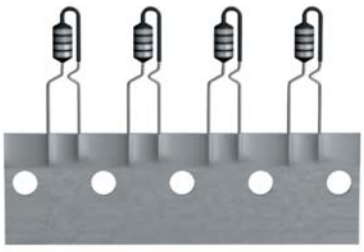
Dimensions (mm)



Specification	B78108S (BC)
Inductance range	1.0µH to 4700µH
Rated temperature	40°C

Packaging	
Tape	53mm wide, 5mm pitch
Reel	360mm dia. (optional)

A taped radial lead option, crimped to 5mm pitch, is available to order

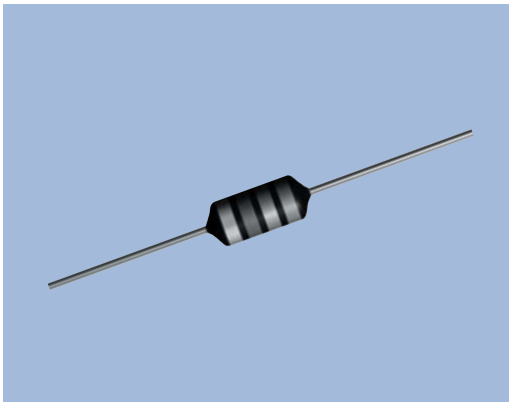


B78108S (BC) continued overleaf > > > >

continuation

Type B78108S (BC)

ORDER CODES							
Value (µH)	Tolerance	Q min.	Test Frequency (MHz)	Resonant Frequency min. (MHz)	DC Resistance max. (Ω)	Rated Current (mA)	Order Code
1.0	10%	55	7.96	205	0.16	1200	*B78108S1102K*
1.2	10%	55	7.96	185	0.18	1150	*B78108S1122K*
1.5	10%	55	7.96	165	0.20	1100	*B78108S1152K*
1.8	10%	55	7.96	155	0.22	1030	*B78108S1182K*
2.2	10%	55	7.96	140	0.25	1000	*B78108S1222K*
2.7	10%	60	7.96	125	0.26	940	*B78108S1272K*
3.3	10%	60	7.96	115	0.29	900	*B78108S1332K*
3.9	10%	60	7.96	105	0.31	850	*B78108S1392K*
4.7	10%	60	7.96	95	0.34	820	*B78108S1472K*
5.6	10%	60	7.96	85	0.38	780	*B78108S1562K*
6.8	10%	65	7.96	75	0.51	670	*B78108S1682K*
8.2	10%	65	7.96	50	0.48	690	*B78108S1822K*
10	10%	70	2.52	35	0.49	680	*B78108S1103K*
12	10%	70	2.52	30	0.55	650	*B78108S1123K*
15	10%	60	2.52	20	0.60	610	*B78108S1153K*
18	10%	60	2.52	17	0.67	580	*B78108S1183K*
22	10%	55	2.52	13	0.74	560	*B78108S1223K*
27	10%	55	2.52	10	0.83	530	*B78108S1273K*
33	10%	55	2.52	9.0	0.92	500	*B78108S1333K*
39	10%	50	2.52	8.0	1.02	470	*B78108S1393K*
47	5%	45	2.52	7.5	1.10	450	*B78108S1473J*
56	5%	40	2.52	7.0	1.23	430	*B78108S1563J*
68	5%	40	2.52	6.5	1.35	410	*B78108S1683J*
82	5%	35	2.52	6.0	1.54	390	*B78108S1823J*
100	5%	70	0.796	5.0	1.7	370	*B78108S1104J*
120	5%	70	0.796	4.5	2.4	300	*B78108S1124J*
150	5%	70	0.796	4.2	2.8	280	*B78108S1154J*
180	5%	70	0.796	3.9	3.0	270	*B78108S1184J*
220	5%	70	0.796	3.7	3.3	250	*B78108S1224J*
270	5%	70	0.796	2.8	5.7	200	*B78108S1274J*
330	5%	70	0.796	2.7	6.4	190	*B78108S1334J*
390	5%	70	0.796	2.4	7.0	180	*B78108S1394J*
470	5%	70	0.796	2.2	7.9	170	*B78108S1474J*
560	5%	60	0.796	2.0	8.8	160	*B78108S1564J*
680	5%	55	0.796	1.9	10	150	*B78108S1684J*
820	5%	50	0.796	1.6	12	140	*B78108S1824J*
1000	5%	50	0.252	1.6	14	130	*B78108S1105J*
1200	5%	50	0.252	1.3	17.5	115	*B78108S1125J*
1500	5%	50	0.252	1.25	23	100	*B78108S1155J*
1800	5%	50	0.252	1.2	26	95	*B78108S1185J*
2200	5%	40	0.252	1.1	34.7	80	*B78108S1225J*
2700	5%	40	0.252	1.0	40	75	*B78108S1275J*
3300	5%	40	0.252	0.9	59.5	62	*B78108S1335J*
3900	5%	40	0.252	0.8	66	59	*B78108S1395J*
4700	5%	35	0.252	0.7	78	55	*B78108S1475J*

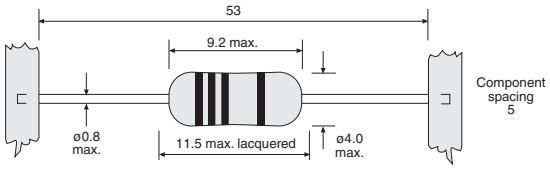


EPCOS type B82143A (HBC)

A range of taped axial lead RF chokes, which are also available to order in radial style. The bodies have a flame retardant lacquer coating and offer a low total height. Supplied taped and available reeled.

- Inductance values from **1.0µH to 27µH**
- High current Bobbin Core (HBC)
- Flame retardant coating
- **Ferrite core**
- Low DC resistance
- Supplied taped
- Available on reels

Dimensions (mm)



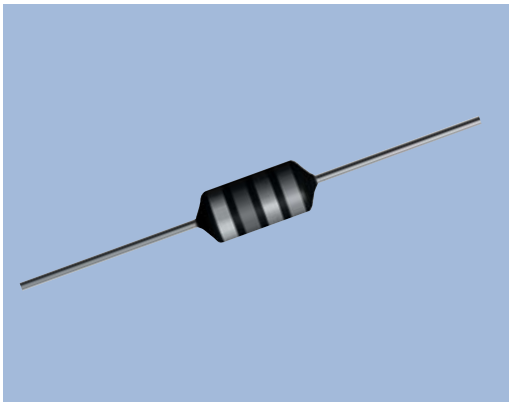
Specification	B82143A (HBC)
Inductance range	1.0µH to 27µH
Rated temperature	40°C

Packaging	
Tape	53mm wide, 5mm pitch
Reel	360mm dia. (optional)

ORDER CODES

Value (µH)	Tolerance	Q min.	Test Frequency (MHz)	Resonant Frequency min. (MHz)	DC Resistance max. (Ω)	Rated Current (mA)	Order Code
1.0	10%	50	7.96	195	0.08	2000	***B82143A1102K***
1.2	10%	50	7.96	180	0.09	1800	***B82143A1122K***
1.5	10%	50	7.96	165	0.10	1700	***B82143A1152K***
1.8	10%	50	7.96	155	0.11	1650	***B82143A1182K***
2.2	10%	50	7.96	140	0.12	1600	***B82143A1222K***
2.7	10%	50	7.96	125	0.13	1500	***B82143A1272K***
3.3	10%	50	7.96	115	0.14	1450	***B82143A1332K***
3.9	10%	50	7.96	105	0.15	1400	***B82143A1392K***
4.7	10%	50	7.96	60	0.17	1300	***B82143A1472K***
5.6	10%	50	7.96	45	0.19	1250	***B82143A1562K***
6.8	10%	40	7.96	35	0.22	1200	***B82143A1682K***
8.2	10%	40	7.96	25	0.24	1150	***B82143A1822K***
10	10%	40	7.96	21	0.25	1100	***B82143A1103K***
12	10%	35	2.52	17	0.27	1050	***B82143A1123K***
15	10%	35	2.52	16	0.30	1000	***B82143A1153K***
18	10%	35	2.52	15	0.33	950	***B82143A1183K***
22	10%	35	2.52	13	0.37	900	***B82143A1223K***
27	10%	35	2.52	11	0.42	850	***B82143A1273K***

A taped radial lead option, crimped to 5mm pitch, is available to order

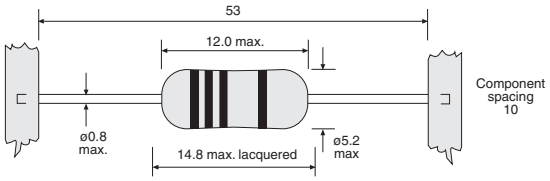


EPCOS type B82144A (LBC)

A range of taped axial lead RF chokes offering wide inductance values and high current ratings. The bodies have a flame retardant lacquer coating. Supplied taped and available on reels.

- Inductance values from **1µH to 100000µH (100mH)**
- Large Bobbin Core (LBC)
- High rated current
- **Ferrite core**
- Low DC resistance
- Supplied taped
- Available on reels

Dimensions (mm)



Specification	B82144A (LBC)
Inductance range	1µH to 100000µH (100mH)
Rated temperature	40°C

Packaging	
Tape	53mm wide, 10mm pitch
Reel	360mm dia. (optional)

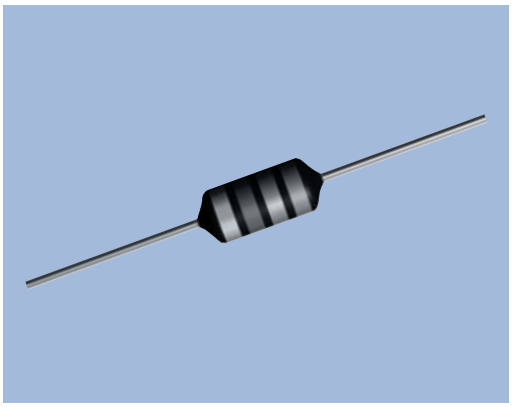
Type B82144A (LBC)

ORDER CODES

Value (µH)	Tolerance	Q min.	Test Frequency (MHz)	Resonant Frequency min. (MHz)	DC Resistance max. (Ω)	Rated Current (mA)	Order Code
1.0	10%	40	7.96	200	0.08	2200	*B82144A2102K*
1.5	10%	40	7.96	190	0.09	2100	*B82144A2152K*
2.2	10%	40	7.96	140	0.11	1900	*B82144A2222K*
3.3	10%	40	7.96	120	0.13	1750	*B82144A2332K*
4.7	10%	40	7.96	100	0.16	1600	*B82144A2472K*
6.8	10%	40	7.96	80	0.19	1500	*B82144A2682K*
10	10%	60	2.52	60	0.22	1400	*B82144A2103K*
15	10%	60	2.52	20	0.28	1250	*B82144A2153K*
22	10%	50	2.52	12	0.35	1100	*B82144A2223K*
33	5%	40	2.52	8.0	0.43	900	*B82144A2333J*
47	5%	40	2.52	5.0	0.5	800	*B82144A2473J*
68	5%	30	2.52	4.5	0.6	700	*B82144A2683J*
100	5%	50	0.796	3.5	0.7	600	*B82144A2104J*
150	5%	50	0.796	3.0	0.9	500	*B82144A2154J*
220	5%	50	0.796	2.4	1.6	400	*B82144A2224J*
330	5%	50	0.796	2.0	1.9	330	*B82144A2334J*
470	5%	40	0.796	1.5	2.5	280	*B82144A2474J*
680	5%	30	0.796	1.3	2.8	240	*B82144A2684J*
1000	5%	60	0.252	1.2	3.8	200	*B82144A2105J*
1500	5%	60	0.252	1.0	6.0	160	*B82144A2155J*
2200	5%	60	0.252	0.8	9.0	120	*B82144A2225J*
3300	5%	60	0.252	0.6	12	110	*B82144A2335J*
4700	5%	60	0.252	0.5	20	90	*B82144A2475J*
6800	5%	60	0.252	0.4	30	80	*B82144A2685J*
10000 (10mH)	5%	50	0.0796	0.35	42	60	*B82144A2106J*
15000 (15mH)	5%	50	0.0796	0.30	68	50	*B82144A2156J*
22000 (22mH)	5%	50	0.0796	0.26	120	40	*B82144A2226J*
33000 (33mH)	5%	50	0.0796	0.22	150	35	*B82144A2336J*
47000 (47mH)	5%	40	0.0796	0.18	230	30	*B82144A2476J*
68000 (68mH)	5%	40	0.0796	0.15	290	25	*B82144A2686J*
100000 (100mH)	5%	30	0.0796	0.12	420	20	*B82144A2107J*

Parts suitable for telecommunication applications in blocking filters for 12kHz and 16kHz counting pulses

Value (µH)	Tolerance	Q min.	Test Frequency (MHz)	Resonant Frequency min. (MHz)	DC Resistance max. (Ω)	Rated Current (mA)	Order Code
980	3%	25	0.016	1.2	3.8	200	*B82144A2984A*
1450	3%	25	0.016	1.0	6.0	140	*B82144A2145A*
2600	3%	20	0.012	0.7	11.0	120	*B82144A2265A*
3050	3%	25	0.016	0.6	12.0	100	*B82144A2305A*
5330	3%	20	0.012	0.5	25.0	90	*B82144A2535A*

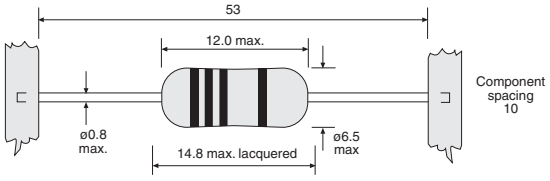


EPCOS type B82145A (HLBC)

A range of taped axial lead RF chokes with a flame retardant lacquer coated body. Offer high current at high inductance values. Supplied taped and available reeled.

- Inductance values from **100µH to 10000µH (10mH)**
- High current Large Bobbin Core (HLBC)
- Flame retardant coating
- **Ferrite core**
- Low DC resistance
- Supplied taped
- Available on reels

Dimensions (mm)

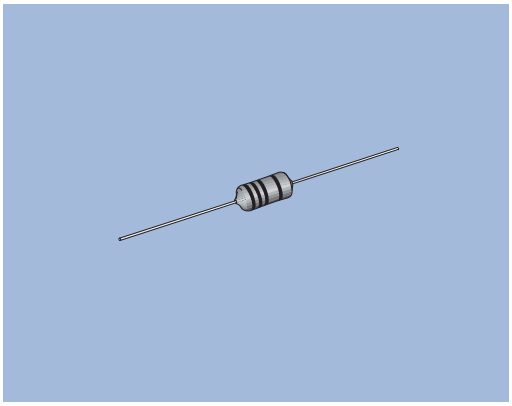


Specification	B82145A
Inductance range	100µH to 10000µH (10mH)
Rated temperature	40°C

Packaging	
Tape	53mm wide, 10mm pitch
Reel	360mm dia. (optional)

ORDER CODES

Value (µH)	Tolerance	Q min.	Test Frequency (MHz)	Resonant Frequency min. (MHz)	DC Resistance max. (Ω)	Rated Current (mA)	Order Code
100	5%	50	0.796	3.5	0.7	860	***B82145A1104J***
150	5%	40	0.796	3.0	0.9	770	***B82145A1154J***
220	5%	30	0.796	2.5	1.1	690	***B82145A1224J***
330	5%	30	0.796	2.1	1.3	630	***B82145A1334J***
470	5%	30	0.796	1.8	1.9	510	***B82145A1474J***
680	5%	20	0.796	1.5	2.5	440	***B82145A1684J***
1000	5%	60	0.252	1.3	3.6	370	***B82145A1105J***
1500	5%	60	0.252	1.0	5.4	300	***B82145A1155J***
2200	5%	60	0.252	0.8	8.0	250	***B82145A1225J***
3300	5%	60	0.252	0.6	12.5	200	***B82145A1335J***
4700	5%	60	0.252	0.5	18	170	***B82145A1475J***
6800	5%	60	0.252	0.4	28.5	130	***B82145A1685J***
10000 (10mH)	5%	50	0.0796	0.35	35	110	***B82145A1106J***

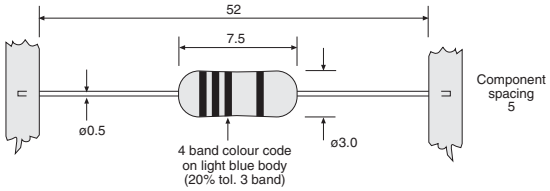


MAGNETIX type MAL3

A range of sub-miniature size, ferrite drum cored RF inductors with axial leads and a flame retardant epoxy resin coated body. Supplied taped and available in ammo-boxes.

- Inductance values from **0.1µH to 1000µH**
- High Q & self resonant frequency
- Epoxy resin coated, flame retardant
- **Ferrite core**
- Supplied taped
- Available in ammo-boxes

Dimensions (mm)



Specification	MAL3
Inductance range	0.1µH to 1000µH
Operating temperature range	-20°C to +80°C

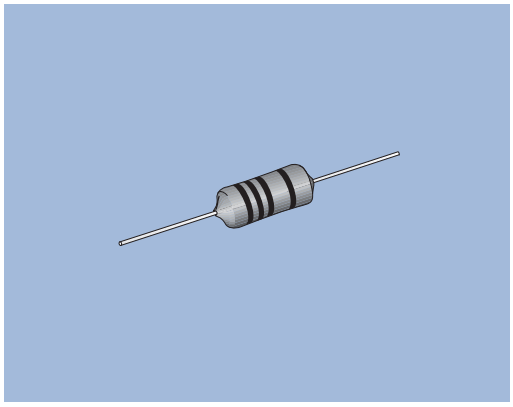
Packaging	
Tape	52mm wide, 5mm pitch

MAL3

ORDER CODES

Value (µH)	Tolerance	Q min.	Test Frequency (MHz)	SRF min. (MHz)	DC Resistance max. (Ω)	DC Current max. (mA)	Order Code
0.1	20%	45	25.2	480	0.06	1400	***654501***
0.15	20%	45	25.2	420	0.07	1270	***654505***
0.22	20%	45	25.2	380	0.08	1150	***654509***
0.33	20%	45	25.2	320	0.10	1110	***654513***
0.47	20%	45	25.2	300	0.15	1000	***654517***
0.68	20%	45	25.2	240	0.20	900	***654521***
1.0	10%	45	25.2	180	0.25	815	***654425***
1.5	10%	45	7.96	140	0.30	700	***654429***
2.2	10%	45	7.96	110	0.40	630	***654433***
3.3	10%	45	7.96	74	0.50	575	***654437***
4.7	10%	45	7.96	48	0.60	530	***654441***
6.8	10%	45	7.96	28	0.70	470	***654445***
10	10%	45	7.96	18	0.85	370	***654449***
15	10%	45	2.52	14	1.0	335	***654453***
22	10%	45	2.52	10	1.35	285	***654457***
33	10%	45	2.52	8.0	2.1	255	***654461***
47	10%	50	2.52	7.0	2.6	205	***654465***
68	10%	50	2.52	6.0	3.2	185	***654469***
100	10%	50	2.52	5.0	4.2	165	***654473***
150	10%	50	0.796	4.5	5.0	150	***654477***
220	10%	50	0.796	3.5	7.0	130	***654481***
330	10%	50	0.796	2.8	8.0	100	***654485***
470	10%	50	0.796	2.4	13.	90	***654489***
680	10%	50	0.796	1.8	16.	75	***654493***
1000	10%	50	0.796	1.4	26.	60	***654497***

E12 values are available to order.

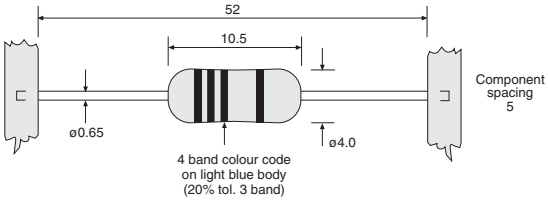


MAGNETIX type MAL4

A range of miniature size, ferrite drum cored RF inductors with axial leads and a flame retardant epoxy resin coated body. Supplied taped and available in ammo-boxes.

- Inductance values from **0.1µH to 1000µH**
- High Q & self resonant frequency
- Epoxy resin coated, flame retardant
- **Ferrite core**
- Supplied taped
- Available in ammo-boxes

Dimensions (mm)



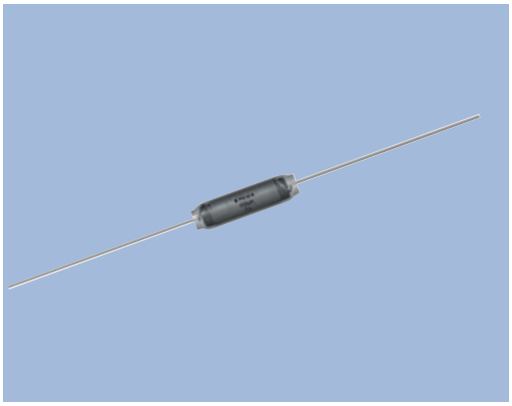
Specification	MAL4
Inductance range	0.1µH to 1000µH
Operating temperature range	-20°C to +80°C

Packaging	
Tape	52mm wide, 5mm pitch

ORDER CODES

Value (µH)	Tolerance	Q min.	Test Frequency (MHz)	SRF min. (MHz)	DC Resistance max. (Ω)	DC Current max. (mA)	Order Code
0.1	20%	50	25.2	480	0.06	1700	***654801***
0.15	20%	50	25.2	420	0.07	1560	***654805***
0.22	20%	50	25.2	380	0.08	1400	***654809***
0.33	20%	50	25.2	300	0.10	1280	***654813***
0.47	20%	50	25.2	250	0.13	1150	***654817***
0.68	20%	50	25.2	210	0.15	1030	***654821***
1.0	10%	50	25.2	157	0.17	920	***654725***
1.5	10%	50	7.96	131	0.20	830	***654729***
2.2	10%	50	7.96	110	0.24	750	***654733***
3.3	10%	60	7.96	94	0.30	670	***654737***
4.7	10%	70	7.96	80	0.40	620	***654741***
6.8	10%	70	7.96	68	0.50	550	***654745***
10	10%	80	7.96	40	0.65	500	***654749***
15	10%	70	2.52	20	0.75	460	***654753***
22	10%	60	2.52	9.9	0.9	410	***654757***
33	10%	50	2.52	6.5	1.1	370	***654761***
47	10%	45	2.52	6.3	1.3	340	***654765***
68	10%	40	2.52	5.7	1.8	305	***654769***
100	10%	30	2.52	4.8	2.5	275	***654773***
150	10%	60	0.796	3.5	4.0	175	***654777***
220	10%	60	0.796	2.8	5.0	155	***654781***
330	10%	60	0.796	2.4	6.5	137	***654785***
470	10%	50	0.796	1.8	8.5	126	***654789***
680	10%	45	0.796	1.6	12	113	***654793***
1000	10%	40	0.796	1.2	20	85	***654797***

E12 values are available to order.

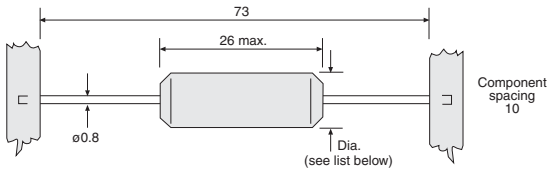


EPCOS type B82111E

A range of ferrite cylinder cored VHF inductors with axial leads offering a wide inductance range and a high resonant frequency. Supplied taped and available reeled.

- Inductance values from **7µH to 1200µH**
- Wide inductance range
- Design complies with EN60938
- **Ferrite core**
- Rated up to **6A**
- Supplied taped
- Available on reels

Dimensions (mm)

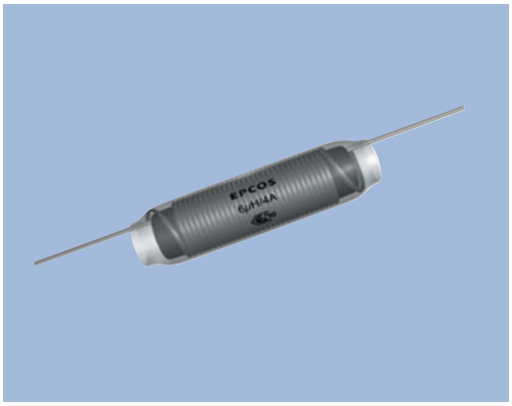


Specification	B82111E
Inductance range	7µH to 1200µH
Rated voltage	500V ac/dc
Rated temperature	60°C

Packaging	
Tape	73mm wide, 10mm pitch

ORDER CODES

Rated Current (A)	Inductance (µH)	Resonant Freq. (MHz)	DC Resistance typ. (Ω)	Body Dia. max. (mm)	Order Code
0.1	1200	16	34	6.0	***B82111EC29***
0.2	680	19	14	6.0	***B82111EC28***
0.3	470	25	6.5	6.0	***B82111EC27***
0.5	220	32	2.6	6.5	***B82111EC26***
1.0	100	55	0.65	6.5	***B82111EC25***
1.5	56	70	0.30	6.5	***B82111EC24***
2.0	40	90	0.18	7.0	***B82111EC23***
3.0	22	110	0.07	7.0	***B82111EC22***
4.0	12	140	0.04	7.5	***B82111EC21***
6.0	7	180	0.02	7.5	***B82111EC20***

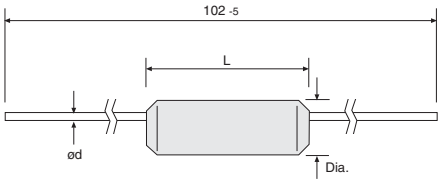


EPCOS type B82111B

A range of ferrite cylinder cored VHF inductors with axial leads offering a high resonant frequency with a high rated current. Supplied loose.

- Inductance values from **3µH to 25µH**
- Wide resonant frequency
- ENEC10 approval
- **Ferrite core**
- Rated up to **10A**
- Supplied loose

Dimensions (mm)



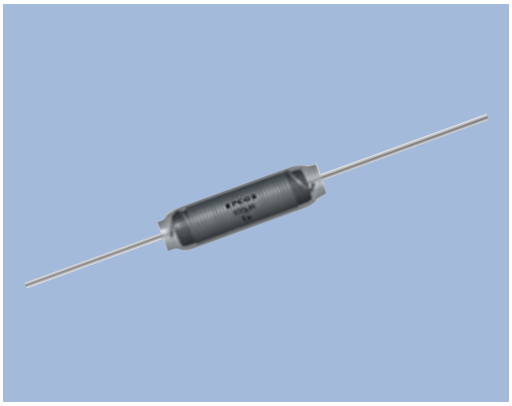
see list below for figures

Specification	B82111B
Inductance range	3µH to 25µH
Rated voltage	500V ac/dc
Rated temperature	60°C

Packaging
Loose

ORDER CODES

Rated Current (A)	Inductance (µH)	Resonant Freq. (MHz)	DC Resistance typ. (Ω)	Dimensions (mm) L	Dia. max.	ød	Order Code
2.0	17.0	100	0.063	24.0	7.0	0.45	*B82111BC14*
3.0	8.0	145	0.025	24.0	7.0	0.63	*B82111BC13*
3.0	13.0	170	0.024	29.0	6.5	0.67	*B82111BC19*
3.0	20.0	125	0.054	29.0	6.0	0.50	*B82111BC20*
3.0	25.0	85	0.046	34.0	8.5	0.63	*B82111BC24*
4.0	6.0	170	0.017	24.0	7.5	0.75	*B82111BC12*
4.0	11.0	150	0.020	29.0	6.5	0.71	*B82111BC18*
4.0	15.0	120	0.024	34.0	8.5	0.75	*B82111BC23*
6.0	4.0	205	0.014	24.0	7.5	0.80	*B82111BC11*
6.0	6.0	200	0.010	29.0	7.0	0.95	*B82111BC17*
6.0	9.0	150	0.012	34.0	9.0	0.95	*B82111BC22*
9.0	3.0	220	0.006	29.0	7.5	1.2	*B82111BC16*
10.0	5.0	175	0.005	34.0	9.5	1.3	*B82111BC21*

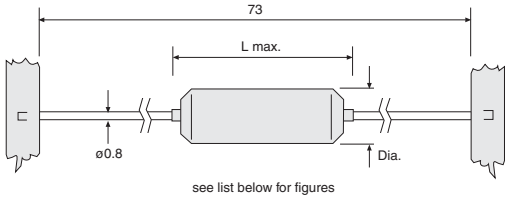


EPCOS type B8213x Series

A range of carbonyl cylinder cored VHF inductors with axial leads offering a choice of size depending on current needs. Supplied taped and available reeled.

- Inductance values from **1µH to 420µH**
- High resonant frequency
- Choice of series
- Design complies with EN60938
- **Carbonyl core**
- Rated up to **4A**
- Supplied taped
- Available on reels

Dimensions (mm)



see list below for figures

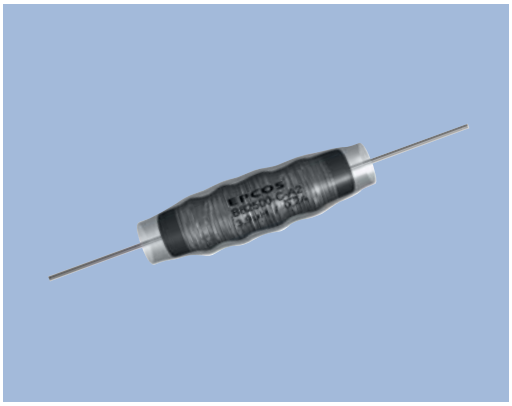
Type	Min. lead spacing e (mm)
B82131	17.5
B82132	22.5
B82133	27.5
B82134	32.5

Specification	B8213x
Inductance range	1µH to 420µH
Rated voltage	500V ac/dc
Rated temperature	60°C

Packaging	
Tape	73mm wide, 10mm pitch
Reel	360mm dia.

ORDER CODES

Rated Current (A)	Inductance (µH)	Resonant Freq. (MHz)	DC Resistance typ. (Ω)	Dimensions (mm) L max.	Dia. max.	Order Code
0.15	80	22	11	15	5.0	***B82131A5151M***
0.15	160	20	17	20	5.5	***B82132A5151M***
0.15	350	11	21	25	7.5	***B82133A5151M***
0.15	420	12	19	30	7.5	***B82134A5151M***
0.3	40	31	4.1	15	5.0	***B82131A5301M***
0.3	70	29	5.7	20	5.5	***B82132A5301M***
0.3	160	16	6.5	25	7.5	***B82133A5301M***
0.3	210	18	6.4	30	7.5	***B82134A5301M***
0.4	27	40	2.0	15	5.0	***B82131A5401M***
0.4	50	37	3.0	20	5.5	***B82132A5401M***
0.4	130	18	4.8	25	7.5	***B82133A5401M***
0.4	150	18	3.5	30	7.5	***B82134A5401M***
0.7	14	53	0.76	15	5.0	***B82131A5701M***
0.7	23	55	0.73	20	5.5	***B82132A5701M***
0.7	55	26	1.20	25	7.5	***B82133A5701M***
0.7	60	34	0.77	30	7.5	***B82134A5701M***
1.5	6	84	0.19	15	5.0	***B82131A5152M***
1.5	8	90	0.16	20	5.5	***B82132A5152M***
1.5	25	40	0.32	25	7.5	***B82133A5152M***
1.5	30	44	0.30	30	7.5	***B82134A5152M***
2.0	3	113	0.09	15	5.0	***B82131A5202M***
2.0	6	108	0.11	20	5.5	***B82132A5202M***
2.0	14	57	0.13	25	7.5	***B82133A5202M***
2.0	20	59	0.15	30	7.5	***B82134A5202M***
3.0	2	147	0.038	15	5.0	***B82131A5302M***
3.0	3	151	0.035	20	5.5	***B82132A5302M***
3.0	10	69	0.077	25	7.5	***B82133A5302M***
3.0	12	75	0.090	30	7.5	***B82134A5302M***
4.0	1	199	0.014	15	5.0	***B82131A5402M***
4.0	2	186	0.020	20	5.5	***B82132A5402M***
4.0	5	87	0.034	25	7.5	***B82133A5402M***

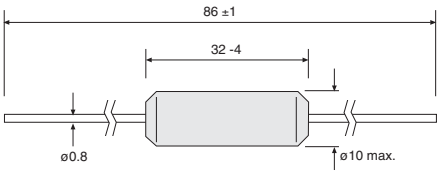


EPCOS type B82500

A range of carbonyl cylinder cored VHF inductors with axial leads offering a high inductance and high resonant frequency. Supplied loose.

- Inductance values from **120µH to 3900µH**
- High resonant frequency
- High inductance values
- Design complies with EN60938
- **Ferrite core**
- Rated up to **2A**
- Supplied loose

Dimensions (mm)

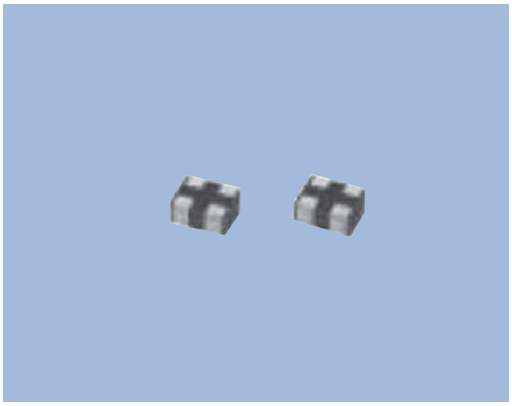


Specification	B82500
Inductance range	120µH to 3900µH
Rated voltage	250V ac/dc
Rated temperature	60°C

Packaging
Loose

ORDER CODES

Rated Current (A)	Inductance (µH)	Resonant Freq. (MHz)	DC Resistance typ. (Ω)	Order Code
0.2	3900	1.8	20	***B82500CA2***
0.5	820	3.0	2.5	***B82500CA5***
1.0	330	4.2	0.6	***B82500CA8***
2.0	120	5.8	0.15	***B82500CA10***

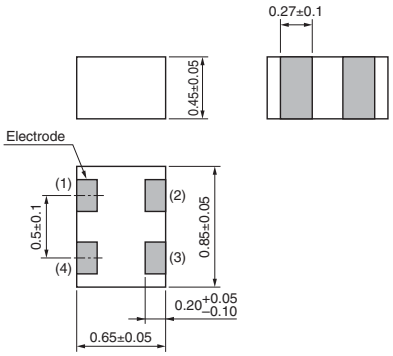


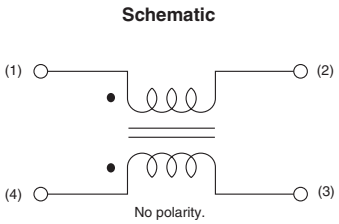
MURATA type DLP0NS

A range of common-mode chokes suited for noise suppression of high speed differential signal lines for USB 2.0. Supplied taped and reeled.

- Impedance values from **67Ω to 120Ω**
- Line impedance matching
- **Film type**
- Chip size **03025**
- Supplied taped & reeled

Dimensions (mm)



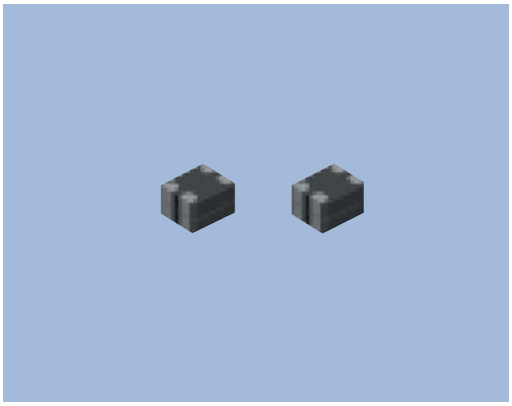


Specification	DLP0NS
Impedance	Measured at 100MHz, 20°C
Operating temperature range	-40°C to +85°C

Packaging	
Tape	8mm wide, 4mm pitch
Reel	180mm dia.

ORDER CODES

Common-Mode Impedance (Ω)	Tolerance	Rated Current (mA)	Rated Voltage (Vdc)	Insulation Resistance min. (MΩ)	Withstand Voltage (Vdc)	DC Resistance ±25% (Ω)	Order Code
67	20%	110	5	100	12.5	2.5	***DLP0NSN670HL2L***
90	20%	100	5	100	12.5	3.0	***DLP0NSN900HL2L***
120	20%	90	5	100	12.5	3.8	***DLP0NSN121HL2L***

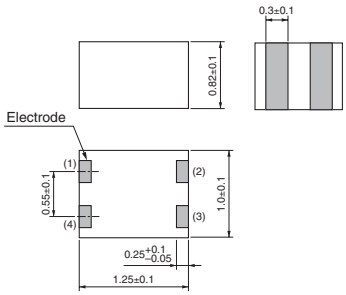


MURATA type DLP11S

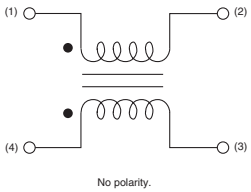
A range of common-mode chokes suited for noise suppression of differential signal lines without distortion in high speed signal transmission due to its high coupling. Supplied taped and reeled.

- Impedance values from **35Ω to 330Ω**
- Line impedance matching
- **Film type**
- Chip size **0504**
- Supplied taped & reeled

Dimensions (mm)



Schematic



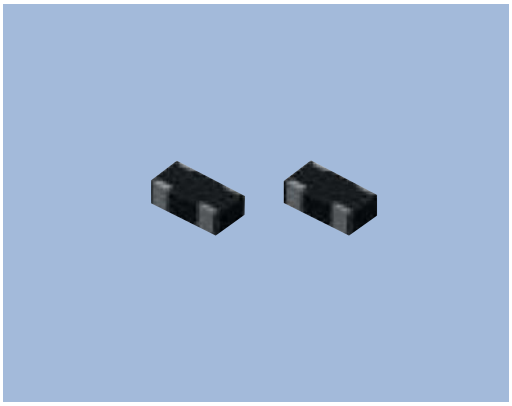
No polarity.

Specification	DLP11S
Impedance	Measured at 100MHz, 20°C
Operating temperature range	-40°C to +85°C

Packaging	
Tape	8mm wide, 4mm pitch
Reel	180mm dia.

ORDER CODES

Common-Mode Impedance (Ω)	Tolerance	Rated Current (mA)	Rated Voltage (Vdc)	Insulation Resistance min. (MΩ)	Withstand Voltage (Vdc)	DC Resistance ±25% (Ω)	Order Code
35	20%	170	5	100	12.5	0.9	***DLP11SA350HL2L***
67	20%	150	5	100	12.5	1.2	***DLP11SA670HL2L***
67	20%	180	5	100	12.5	1.3	***DLP11SN670SL2L***
90	20%	150	5	100	12.5	1.4	***DLP11SA900HL2L***
90	20%	150	5	100	12.5	1.5	***DLP11SN900HL2L***
120	20%	140	5	100	12.5	2.0	***DLP11SN121SL2L***
160	20%	120	5	100	12.5	2.7	***DLP11SN161SL2L***
200	20%	110	5	100	12.5	3.1	***DLP11SN201HL2L***
240	20%	100	5	100	12.5	3.5	***DLP11SN241HL2L***
280	20%	90	5	100	12.5	4.2	***DLP11SN281HL2L***
330	20%	80	5	100	12.5	4.9	***DLP11SN331HL2L***

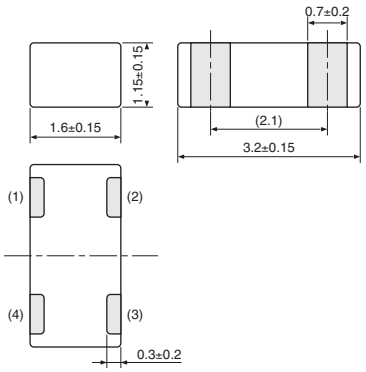


MURATA type DLP31S

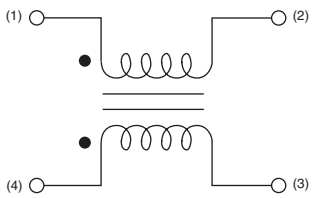
A range of common-mode chokes offering excellent performance at high frequencies. Suitable for differential signal line applications. Supplied taped and reeled.

- Impedance values from **120Ω to 550Ω**
- Excellent high frequency performance
- **Film type**
- Chip size **1206**
- Supplied taped & reeled

Dimensions (mm)



Schematic



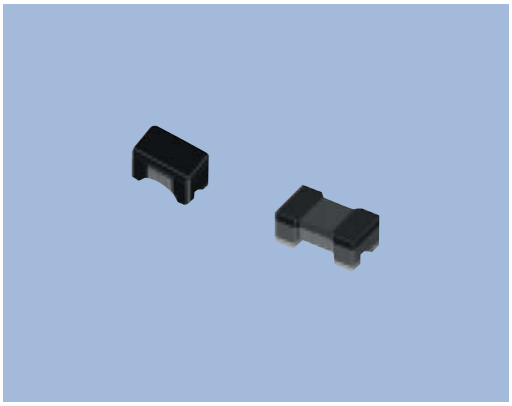
No polarity.

Specification	DLP31S
Impedance	Measured at 100MHz, 20°C
Operating temperature range	-40°C to +85°C

Packaging	
Tape	8mm wide, 4mm pitch
Reel	180mm dia.

ORDER CODES

Common-Mode Impedance (Ω)	Tolerance	Rated Current (mA)	Rated Voltage (Vdc)	Insulation Resistance min. (MΩ)	Withstand Voltage (Vdc)	DC Resistance ±25% (Ω)	Order Code
120	20%	100	16	100	40	2.0	***DLP31SN121ML2L***
220	20%	100	16	100	40	2.5	***DLP31SN221ML2L***
550	20%	100	16	100	40	3.6	***DLP31SN551ML2L***

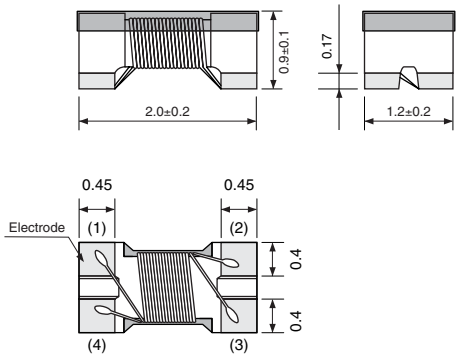


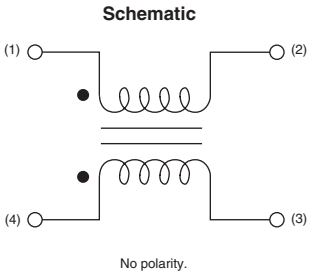
MURATA types DLW21S & DLW21H

A choice of common-mode chokes suited for noise suppression of high speed differential lines used in HDMI, DVI, PC or telecommunication applications. Supplied taped and reeled.

- Impedance values from **67Ω to 370Ω**
- Wide variety of applications
- **Wirewound type**
- Chip size **0805**
- Supplied taped & reeled

Dimensions (mm)





Specification	DLW21S & DLW21H
Impedance	Measured at 100MHz, 20°C
Operating temperature range	-40°C to +85°C

Packaging	
Tape	8mm wide, 4mm pitch
Reel	180mm dia.

Type DLW21S

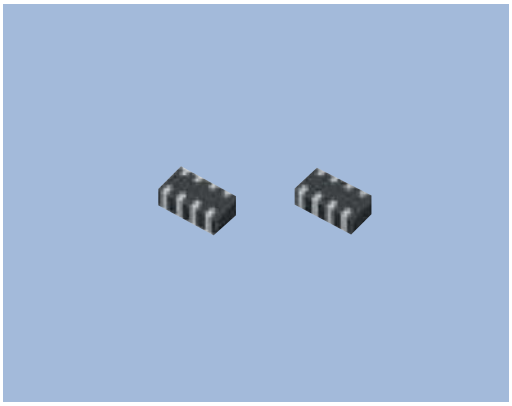
ORDER CODES

Common-Mode Impedance (Ω)	Tolerance	Rated Current (mA)	Rated Voltage (Vdc)	Insulation Resistance min. (MΩ)	Withstand Voltage (Vdc)	DC Resistance ±25% (Ω)	Order Code
67	25%	400	50	10	125	0.25	*DLW21SN670SQ2L*
90	25%	330	50	10	125	0.35	*DLW21SN900SQ2L*
120	25%	370	50	10	125	0.30	*DLW21SN121SQ2L*
180	25%	330	50	10	125	0.35	*DLW21SN181SQ2L*
260	25%	300	50	10	125	0.40	*DLW21SN261SQ2L*
370	25%	280	50	10	125	0.45	*DLW21SN371SQ2L*
67	25%	320	50	10	125	0.31	*DLW21SN670HQ2L*
90	25%	280	50	10	125	0.41	*DLW21SN900HQ2L*
120	25%	280	50	10	125	0.41	*DLW21SN121HQ2L*
67	25%	400	50	10	125	0.25	*DLW21SR670HQ2L*

Type DLW21H

ORDER CODES

Common-Mode Impedance (Ω)	Tolerance	Rated Current (mA)	Rated Voltage (Vdc)	Insulation Resistance min. (MΩ)	Withstand Voltage (Vdc)	DC Resistance ±25% (Ω)	Order Code
67	25%	330	50	10	125	0.35	*DLW21HN670SQ2L*
90	25%	330	50	10	125	0.35	*DLW21HN900SQ2L*
120	25%	280	50	10	125	0.45	*DLW21HN121SQ2L*
180	25%	250	50	10	125	0.50	*DLW21HN181SQ2L*

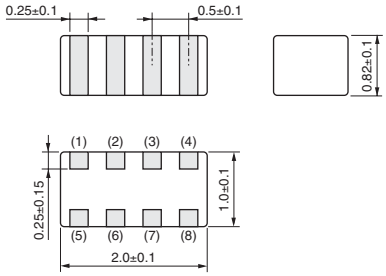


MURATA type DLP2AD

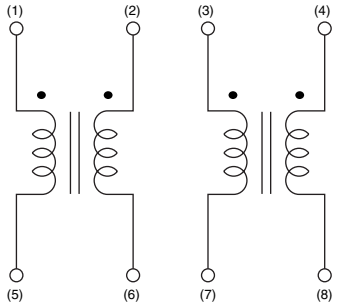
A range of common-mode choke arrays where 2 components are placed in a single package. High common-mode impedance characteristics, which can suppress noise without damage to the signal wave. Supplied taped and reeled.

- Impedance values from **67Ω to 280Ω**
- Line impedance matching
- Quad choke arrays in a single package
- **Film type**
- Chip size **0804**
- Supplied taped & reeled

Dimensions (mm)



Schematic



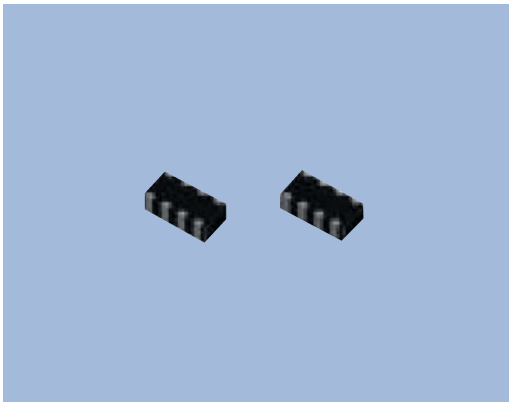
No polarity.

Specification	DLP2AD
Impedance	Measured at 100MHz, 20°C
Operating temperature range	-40°C to +85°C

Packaging	
Tape	8mm wide, 4mm pitch
Reel	180mm dia.

ORDER CODES

Common-Mode Impedance (Ω)	Tolerance	Rated Current (mA)	Rated Voltage (Vdc)	Insulation Resistance min. (MΩ)	Withstand Voltage (Vdc)	DC Resistance ±25% (Ω)	Order Code
67	20%	140	5	100	12.5	1.3	*DLP2ADN670HL4L*
90	20%	130	5	100	12.5	1.7	*DLP2ADN900HL4L*
120	20%	120	5	100	12.5	2.0	*DLP2ADN121HL4L*
160	20%	100	5	100	12.5	2.5	*DLP2ADN161HL4L*
200	20%	90	5	100	12.5	3.2	*DLP2ADN201HL4L*
240	20%	80	5	100	12.5	3.8	*DLP2ADN241HL4L*
280	20%	80	5	100	12.5	4.6	*DLP2ADN281HL4L*

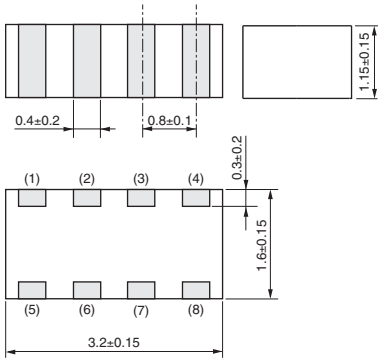


MURATA type DLP31D

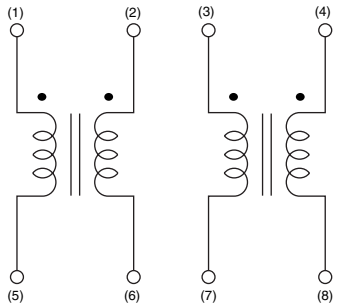
A range of common-mode choke arrays where 2 components are placed in a single package. High common-mode impedance characteristics, which can suppress noise without damage to the signal wave. Supplied taped and reeled.

- Impedance values from **90Ω to 440Ω**
- Wide variety of applications
- Quad choke arrays in a single package
- **Film type**
- Chip size **1206**
- Supplied taped & reeled

Dimensions (mm)



Schematic



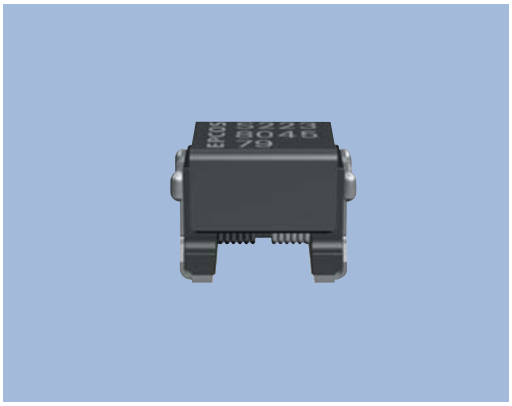
No polarity.

Specification	DLP31D
Impedance	Measured at 100MHz, 20°C
Operating temperature range	-40°C to +85°C

Packaging	
Tape	8mm wide, 4mm pitch
Reel	180mm dia.

ORDER CODES

Common-Mode Impedance (Ω)	Tolerance	Rated Current (mA)	Rated Voltage (Vdc)	Insulation Resistance min. (MΩ)	Withstand Voltage (Vdc)	DC Resistance ±25% (Ω)	Order Code
90	20%	160	10	100	25	1.1	***DLP31DN900ML4L***
130	20%	120	10	100	25	1.6	***DLP31DN131ML4L***
200	20%	100	10	100	25	2.2	***DLP31DN201ML4L***
320	20%	80	10	100	25	3.5	***DLP31DN321ML4L***
440	20%	70	10	100	25	4.3	***DLP31DN441ML4L***

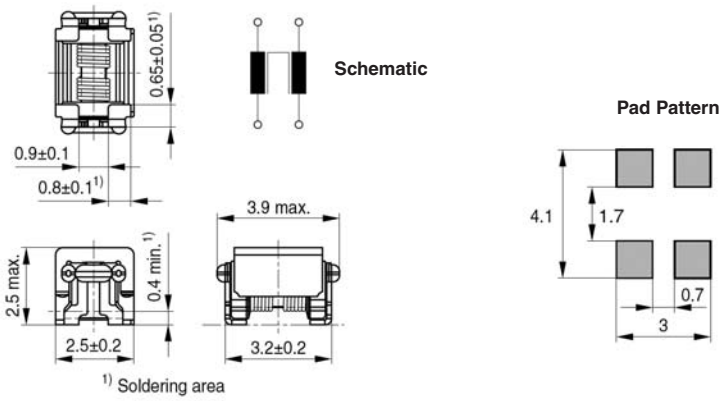


EPCOS types B82788C & B82788S

A range of surface mount data and signal line chokes in a 1210 package. The B82788C series is constructed using bifilar winding and used for suppression of asymmetrical interference coupled in on lines, whereas data signals up to some MHz can pass unaffectedly.
The B82788S series is constructed using sector winding and used for suppression of asymmetrical and symmetrical interference coupled in on lines. The high frequency portions of the symmetrical data signal are decreased so far that EMC problems can be significantly reduced. Supplied taped and reeled.

- Inductance values from **11µH to 100µH**
- CAN and FlexRay Bus applications
- Current compensated
- Choice of terminal finish
- **Ferrite I core**
- Chip size **SIMDAD 1210**
- Rated current **150mA to 300mA**
- Supplied taped & reeled

Dimensions (mm)

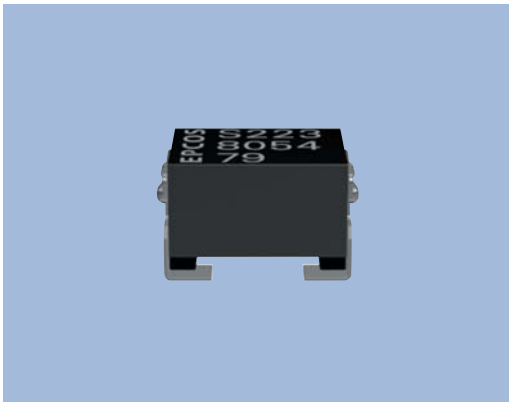


Specification	B82788C/S
Inductance range	11µH to 100µH
Inductance tolerance	-30/+50%, 20°C
Rated voltage	42Vac (50/60Hz) / 80Vdc
Test Voltage	As listed for 2 seconds (line/line)
Rated temperature	110°C

Packaging	
Tape	12mm wide, 4mm pitch
Reel	330mm dia.

ORDER CODES

Value (µH)	Stray Inductance typ. (µH)	Rated Current (mA)	Rated Voltage (Vdc)	Test Voltage (Vdc)	DC Resistance max. (Ω)	Order Code Gold-plated Terminals	Order Code Tinned Terminals
11	0.10	300	80	250	0.19	*B82788C0113H001*	*B82788C0113H052*
22	0.10	250	80	250	0.37	*B82788C0223H001*	*B82788C0223H052*
22	2.50	250	80	250	0.45	*B82788S0223H001*	*B82788S0223H052*
51	0.15	150	80	250	1.40	*B82788C0513H001*	*B82788C0513H052*
100	0.20	150	80	250	1.45	*B82788C0104H001*	*B82788C0104H052*

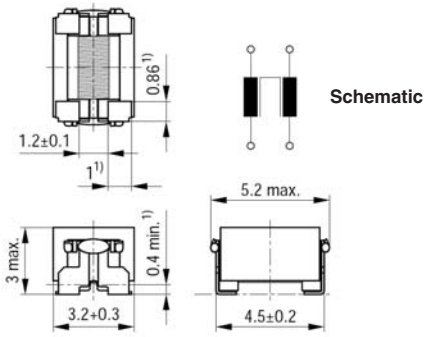


EPCOS types B82789C & B82789S

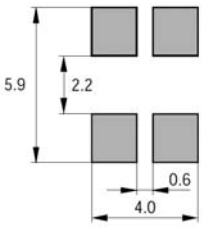
A range of common-mode chokes with a choice of standard or high temperature. B82789C is suitable for suppression of asymmetrical interference coupled in on lines whereas data signals up to some MHz can pass unaffectedly. B82789S is suitable for suppression of asymmetrical and symmetrical interference by stray inductance, coupled in on lines. The high frequency portions of the symmetrical data can be significantly reduced. Supplied taped and reeled.

- Inductance values from **11µH to 100µH**
- CAN and FlexRay Bus applications
- Current compensated
- Choice of temperature rating and terminal finish
- **Ferrite I core**
- Chip size **SIMDAD 1812**
- Rated current **150mA to 300mA**
- Supplied taped & reeled

Dimensions (mm)



Schematic



Pad Pattern

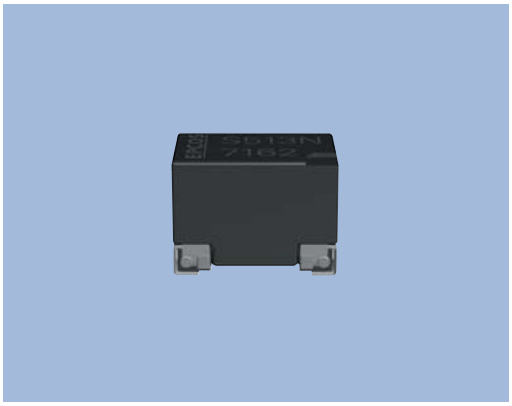
Specification	B82789C/S
Inductance range	11µH to 100µH
Inductance tolerance	-30/+50%, 20°C
Rated voltage	42Vac (50/60Hz) / 80Vdc
Test Voltage	As listed for 2 seconds (line/line)
Rated temperature	B82789*N 85°C B82789*H 110°C

Packaging	
Tape	12mm wide, 8mm pitch
Reel	330mm dia.

ORDER CODES

Value (µH)	Stray Inductance typ. (µH)	Rated Current (mA)	Rated Voltage (Vdc)	Test Voltage (Vdc)	DC Resistance max. (Ω)	Order Code Gold-plated Terminals	Order Code Tinned Terminals
STANDARD TEMPERATURE, 85°C							
11	0.06	300	80	250	0.25	*B82789C113N1*	*B82789C113N2*
22	0.1	250	80	250	0.58	*B82789C223N1*	*B82789C223N2*
22	3.0	250	80	250	0.58	*B82789S223N1*	*B82789S223N2*
51	0.1	250	80	250	0.55	*B82789C513N1*	*B82789C513N2*
100	0.25	150	80	250	1.50	*B82789C104N1*	*B82789C104N2*
HIGH TEMPERATURE, 110°C							
11	0.06	300	80	250	0.25	*B82789C113H1*	*B82789C113H2**
22	0.1	250	80	250	0.58	*B82789C223H1*	*B82789C223H2**
22	3.0	250	80	250	0.58	*B82789S223H1*	*B82789S223H2**
51	0.1	250	80	250	0.55	*B82789C513H1*	*B82789C513H2**
100	0.25	150	80	250	1.50	*B82789C104H1*	*B82789C104H2**

* Replace the last digit with 52 for Ni-barrier-plated terminals.

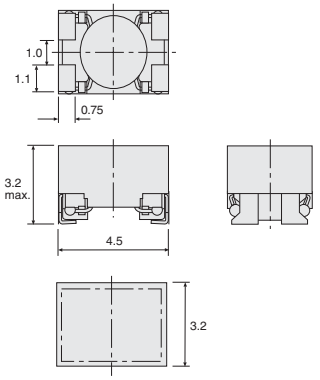


EPCOS types B82799C & B82799S

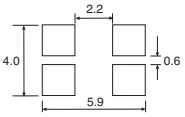
A range of common-mode chokes for suppression of asymmetrical interference coupled in on lines whereas data signals up to some MHz can pass unaffectedly. B82799S is suitable for suppression of asymmetrical and symmetrical interference by stray inductance, coupled in on lines. The high frequency portions of the symmetrical data can be significantly reduced. Supplied taped and reeled.

- Inductance values from **11µH to 470µH**
- CAN Bus applications
- Current compensated
- **Ferrite I core**
- Chip size **1812**
- Rated current **200mA to 300mA**
- Supplied taped & reeled

Dimensions (mm)



Pad Pattern



Schematic

Specification

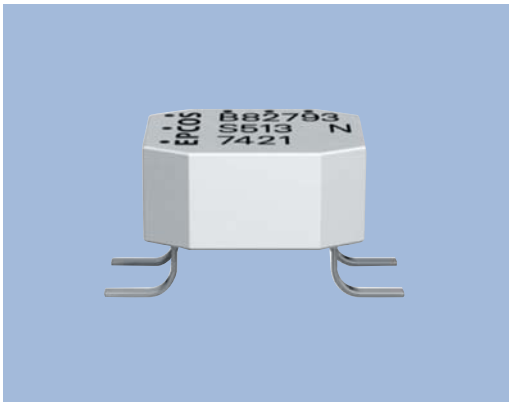
Specification	B82799C/S
Inductance range	11µH to 470µH
Inductance tolerance	±30%, 20°C
Rated voltage	42Vac (50/60Hz) / 80Vdc
Test Voltage	As listed for 2 seconds
Rated temperature	60°C

Packaging

Tape	12mm wide, 8mm pitch
Reel	330mm dia.

ORDER CODES

Value (µH)	Stray Inductance typ. (nH)	Rated Current (mA)	Rated Voltage (Vdc)	Test Voltage (Vdc)	DC Resistance typ. (Ω)	Order Code
11	40	300	80	250	0.12	***B82799C113N1***
22	60	250	80	250	0.17	***B82799C223N1***
22	1200	250	80	250	0.17	***B82799S223N1***
33	70	200	80	250	0.20	***B82799C333N1***
33	1500	200	80	250	0.20	***B82799S333N1***
51	90	200	80	250	0.25	***B82799C513N1***
51	2300	200	80	250	0.25	***B82799S513N1***
100	50	300	80	750	0.15	***B82799C104N1***
220	60	200	80	750	0.20	***B82799C224N1***
330	70	200	80	750	0.25	***B82799C333N1***
470	100	200	80	750	0.32	***B82799C474N1***

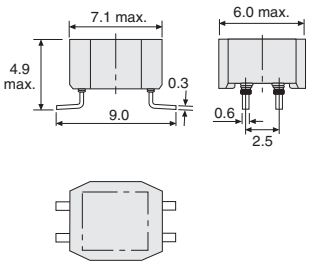


EPCOS types B82793C & B82793S

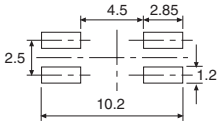
A range of common-mode chokes for suppression of asymmetrical interference coupled in on lines whereas data signals up to some MHz can pass unaffectedly. B82793S is suitable for suppression of asymmetrical and symmetrical interference by stray inductance, coupled in on lines. The high frequency portions of the symmetrical data can be significantly reduced. Supplied taped and reeled.

- Inductance values from **5µH to 47000µH (47mH)**
- CAN bus applications
- Current compensated
- **Ferrite ring core**
- Rated current **100mA to 2A**
- Supplied taped & reeled

Dimensions (mm)



Pad Pattern



Schematic

Specification

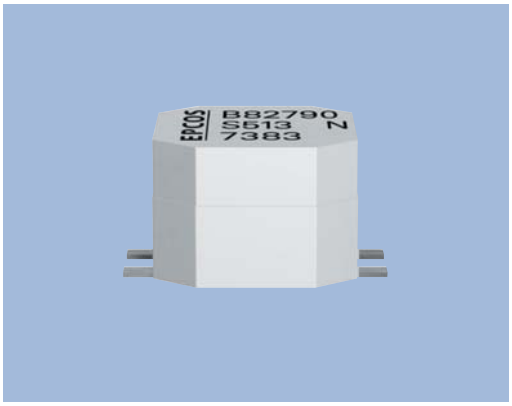
Specification	B82793C/S
Inductance range	5µH to 47000µH (47mH)
Inductance tolerance	±30% (L≤470µH), -30/+50% (L≥1000µH), 20°C
Rated voltage	42Vac (50/60Hz) / 80Vdc
Test Voltage	As listed for 2 seconds
Rated temperature	60°C

Packaging

Tape	16mm wide, 8mm pitch
Reel	330mm dia.

ORDER CODES

Value (µH)	Stray Inductance typ. (nH)	Rated Current (mA)	Rated Voltage (Vdc)	Test Voltage (Vdc)	DC Resistance typ. (Ω)	Order Code
5.0	40	1200	80	250	0.06	*B82793C502N201*
6.0	30	2000	80	250	0.02	*B82793K602N201*
6.0	250	2000	80	250	0.02	*B82793L602N201*
11	50	800	80	250	0.08	*B82793C113N201*
25	60	800	80	250	0.11	*B82793C253N201*
25	1400	800	80	250	0.11	*B82793S253N201*
51	70	800	80	250	0.14	*B82793C513N201*
51	2300	800	80	250	0.14	*B82793S513N201*
100	100	500	80	250	0.18	*B82793C104N201*
470	100	700	80	750	0.17	*B82793C474N215*
1000	70	700	80	750	0.14	*B82793C105N265*
2200	120	500	80	750	0.40	*B82793C225N265*
4700	250	400	80	750	0.55	*B82793C475N265*
For Telecommunication Applications						
20000 (20mH)	300	100	80	750	1.8	*B82793C206N265*
47000 (47mH)	1200	100	80	750	3.7	*B82793C476N265*

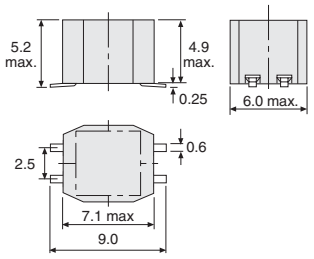


EPCOS types B82790C & B82790S

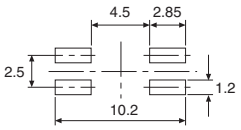
A range of common-mode chokes for suppression of asymmetrical interference coupled in on lines whereas data signals up to some MHz can pass unaffectedly. B82793S is suitable for suppression of asymmetrical and symmetrical interference by stray inductance, coupled in on lines. The high frequency portions of the symmetrical data can be significantly reduced. Supplied taped and reeled.

- Inductance values from **5µH to 4700µH**
- CAN bus applications
- Current compensated
- **Ferrite ring core**
- Rated current **200mA to 1A**
- Supplied taped & reeled

Dimensions (mm)



Pad Pattern



Schematic

Specification

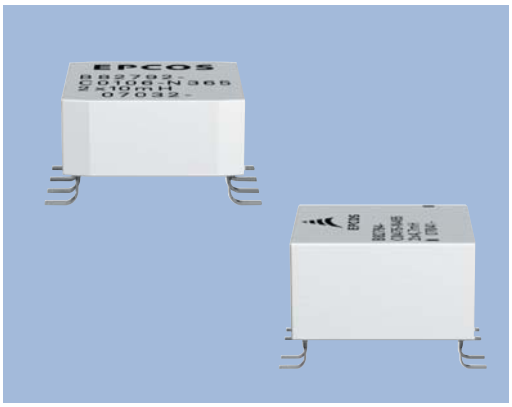
Specification	B82790C/S
Inductance range	5µH to 470µH
Inductance tolerance	±30% (L≤470µH), -30/+50% (L≥1000µH), 20°C
Rated voltage	42Vac (50/60Hz) / 80Vdc
Test Voltage	As listed for 2 seconds
Rated temperature	60°C

Packaging

Tape	16mm wide, 8mm pitch
Reel	330mm dia.

ORDER CODES

Value (µH)	Stray Inductance typ. (nH)	Rated Current (mA)	Rated Voltage (Vdc)	Test Voltage (Vdc)	DC Resistance typ. (Ω)	Order Code
5.0	40	1000	80	250	0.06	***B82790C502N201***
11	50	500	80	250	0.08	***B82790C113N201***
25	60	500	80	250	0.11	***B82790C253N201***
25	1400	500	80	250	0.11	***B82790S253N201***
51	70	500	80	250	0.14	***B82790C513N201***
51	2100	500	80	250	0.14	***B82790S513N201***
470	100	500	80	250	0.17	***B82790C474N215***
1000	100	500	80	250	0.17	***B82790C105N240***
2200	200	400	80	250	0.40	***B82790C225N265***
4700	300	200	80	250	0.51	***B82790C475N265***



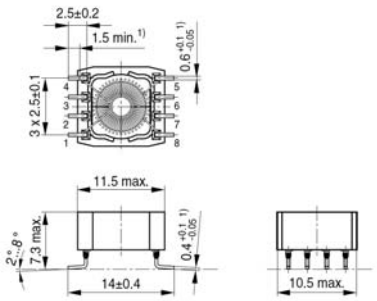
EPCOS types B82792C & B82794C

A range of common-mode chokes for suppression of asymmetrical interference couple in on lines whereas data signals up to some MHz can pass unaffectedly. Supplied taped and reeled.

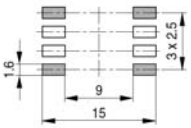
- Inductance values from **4.7mH to 68mH**
- Current compensated
- **Ferrite ring core**
- Rated current **100mA to 700mA**
- Supplied taped & reeled

Dimensions (mm)

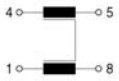
B82792C0



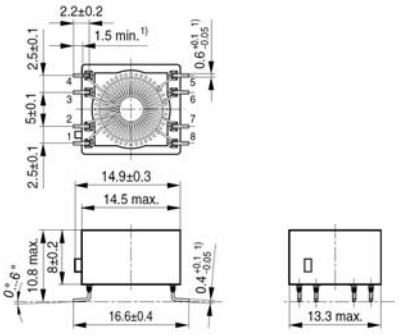
Pad Pattern



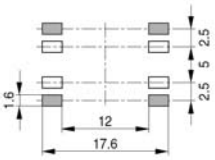
Schematic



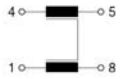
B82794C0



Pad Pattern



Schematic



1) Soldering area

Specification	B8279xC
Inductance range	4.7mH to 68mH
Inductance tolerance	-30/+50%, 20°C
Rated voltage	42Vac (50/60Hz) / 80Vdc
Test Voltage	As listed for 2 seconds
Rated temperature	60°C

Packaging	
Tape	24mm wide, 16mm pitch
Reel	330mm dia.

Type B82792C

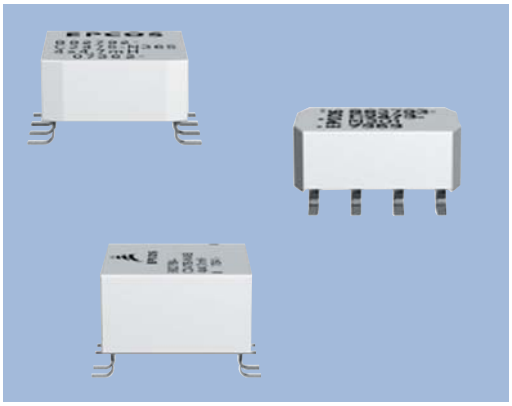
ORDER CODES

Value (mH)	Stray Inductance typ. (nH)	Rated Current (mA)	Rated Voltage (Vdc)	Test Voltage (Vdc)	DC Resistance typ. (Ω)	Order Code
4.7	240	600	80	750	0.4	*B82792C475N365*
6.8	300	600	80	750	0.5	*B82792C685N365*
10	350	500	80	750	1.1	*B82792C106N365*
22	700	200	80	750	1.6	*B82792C226N365*
33	850	100	80	750	2.0	*B82792C336N365*
50	1100	100	80	750	2.6	*B82792C506N365*

Type B82794C

ORDER CODES

Value (mH)	Stray Inductance typ. (nH)	Rated Current (mA)	Rated Voltage (Vdc)	Test Voltage (Vdc)	DC Resistance typ. (Ω)	Order Code
4.7	350	700	80	750	0.5	*B82794C475N465*
10	450	600	80	750	0.7	*B82794C106N465*
28	800	400	80	750	1.2	*B82794C286N465*
47	1200	300	80	750	2.8	*B82794C476N465*
68	1300	200	80	750	3.4	*B82794C686N465*



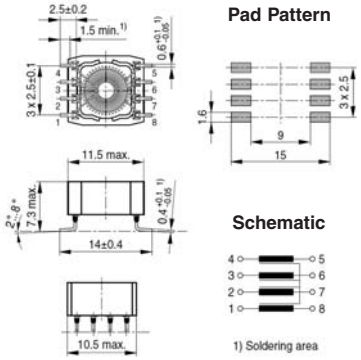
EPCOS types B82792C2, B82793C2 & B82794C2

A range of common-mode choke arrays where 2 components are placed in a single package. Suitable for suppression of asymmetrical interference coupled in on lines whereas data signals up to some MHz can pass unaffectedly. Supplied taped and reeled.

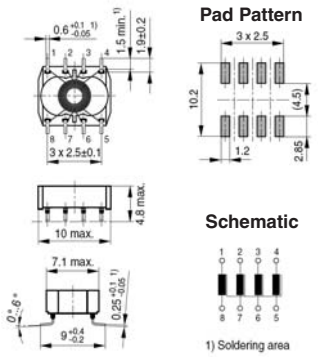
- Inductance values from **0.011mH to 10mH**
- Current compensated
- Quad choke arrays in a single package
- **Ferrite ring core**
- Rated current **100mA to 600mA**
- Supplied taped & reeled

Dimensions (mm)

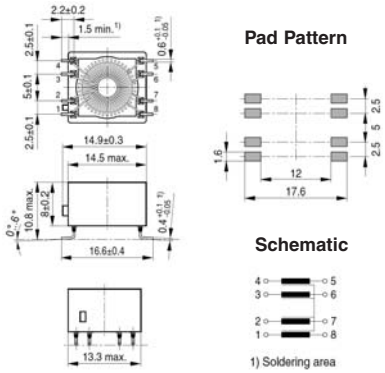
B82792C2



B82793C2



B82794C2



Specification	B8279xC2
Inductance range	0.011mH to 10mH
Inductance tolerance	-30/+50%, 20°C
Rated voltage	42Vac (50/60Hz) / 80Vdc
Test Voltage	As listed for 2 seconds
Rated temperature	60°C

Packaging		
Tape		
	B82792/4	24mm wide, 16mm pitch
	B82793	16mm wide, 12mm pitch
Reel		330mm dia.

Type B82792C2

ORDER CODES

Value (mH)	Stray Inductance typ. (nH)	Rated Current (mA)	Rated Voltage (Vdc)	Test Voltage (Vdc)	DC Resistance typ. (Ω)	Order Code
0.47	200	600	80	750	0.22	*B82792C2474N315*
1.0	200	500	80	750	0.17	*B82792C2105N365*
4.7	300	300	80	750	0.70	*B82792C2475N365*

Type B82793C2

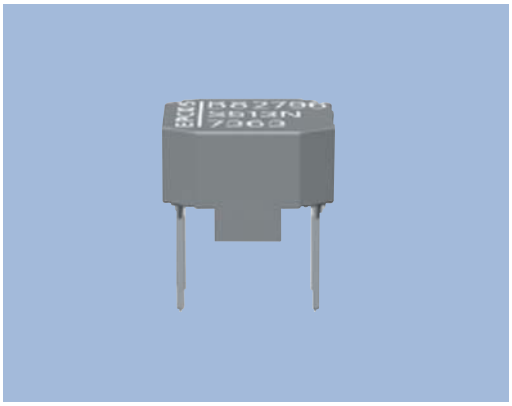
ORDER CODES

Value (mH)	Stray Inductance typ. (nH)	Rated Current (mA)	Rated Voltage (Vdc)	Test Voltage (Vdc)	DC Resistance typ. (Ω)	Order Code
0.011	120	200	80	750	0.06	*B82793C2113N201*
0.047	170	150	80	750	0.15	*B82793C2473N201*
0.47	170	100	80	750	0.35	*B82793C2474N215*
2.2	220	100	80	750	0.40	*B82793C2225N265*

Type B82794C2

ORDER CODES

Value (mH)	Stray Inductance typ. (nH)	Rated Current (mA)	Rated Voltage (Vdc)	Test Voltage (Vdc)	DC Resistance typ. (Ω)	Order Code
4.7	350	300	80	750	0.9	*B82794C2475N465*
10.0	900	200	80	750	1.4	*B82794C2106N465*

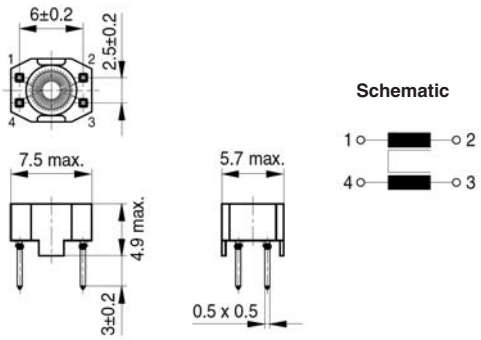


EPCOS types B82796C & B82796S

A range of common-mode chokes for suppression of asymmetrical interference coupled in on lines whereas data signals up to some MHz can pass unaffectedly. B82796S is suitable for suppression of asymmetrical and symmetrical interference by stray inductance, coupled in on lines. The high frequency portions of the symmetrical data can be significantly reduced. Supplied loose.

- Inductance values from **0.005mH to 4.7mH**
- Current compensated
- **Ferrite ring core**
- Rated current **400mA to 1.2A**
- Supplied loose

Dimensions (mm)

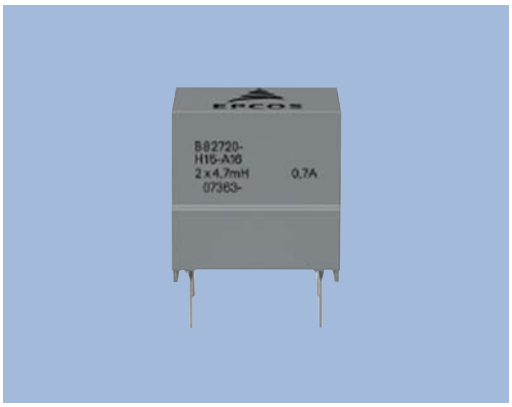


Specification	B82796C/S
Inductance range	0.005mH to 4.7mH
Inductance tolerance	-30/+50%, 20°C
Rated voltage	42Vac (50/60Hz) / 80Vdc
Test Voltage	As listed for 2 seconds
Rated temperature	60°C

Packaging
Loose

ORDER CODES

Value (mH)	Stray Inductance (nH)	Rated Current (mA)	Rated Voltage (Vdc)	Test Voltage (Vdc)	DC Resistance typ. (Ω)	Order Code
0.005	40	1200	80	250	0.06	***B82796C502N201***
0.011	50	800	80	250	0.07	***B82796C113N201***
0.025	1400	800	80	250	0.10	***B82796S253N201***
0.051	2000	800	80	250	0.14	***B82796S513N201***
0.47	120	700	80	750	0.17	***B82796C474N215***
1.0	100	700	80	750	0.16	***B82796C105N265***
2.2	150	500	80	750	0.42	***B82796C225N265***
4.7	200	400	80	750	0.52	***B82796C475N265***

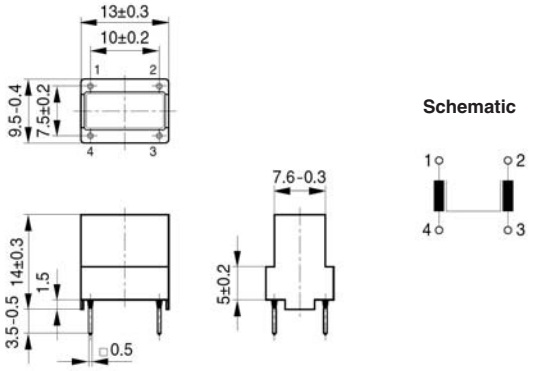


EPCOS type B82720H15

A range of common-mode chokes that are suitable for automatic insertion. Applications include use in telecom switching systems, terminal systems, measuring and control lines. Supplied loose.

- Inductance values from **4.7mH to 68mH**
- Current compensated
- **Ferrite ring core**
- Rated current **200mA to 700mA**
- Supplied loose

Dimensions (mm)

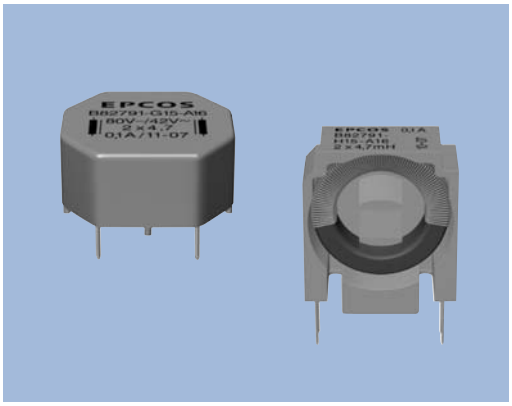


Specification	B82720H15
Inductance range	4.7mH to 68mH
Inductance tolerance	-30/+50%, 20°C
Rated voltage	42Vac (50/60Hz) / 80Vdc
Test Voltage	As listed for 2 seconds
Rated temperature	60°C

Packaging
Loose

ORDER CODES

Value (mH)	Stray Inductance typ. (nH)	Rated Current (mA)	Rated Voltage (Vdc)	Test Voltage (Vdc)	DC Resistance typ. (Ω)	Order Code
4.7	300	700	80	750	0.5	***B82720H15A16***
10	400	600	80	750	0.7	***B82720H15A25***
28	700	400	80	750	1.2	***B82720H15A28***
47	1000	300	80	750	2.7	***B82720H15A30***
68	1200	200	80	750	3.3	***B82720H15A35***



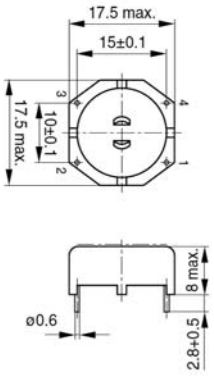
EPCOS types B82791G15 & B82791H15

A range of common-mode chokes that are suitable for the suppression of asymmetrical interference coupled in on data lines, already effective at 10kHz. Applications include use in telecom switching systems, terminal systems, measuring and control lines. Supplied loose.

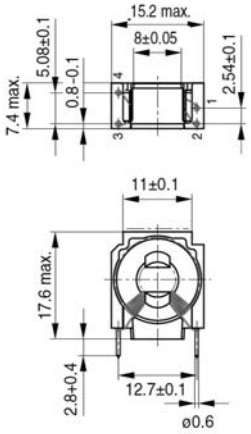
- Inductance values from **2.2mH to 47mH**
- Current compensated
- **Ferrite ring core**
- Rated current **100mA**
- Supplied loose

Dimensions (mm)

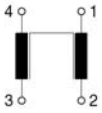
B82791G15 (Horizontal)



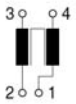
B82791H15 (Vertical)



Schematic



Schematic

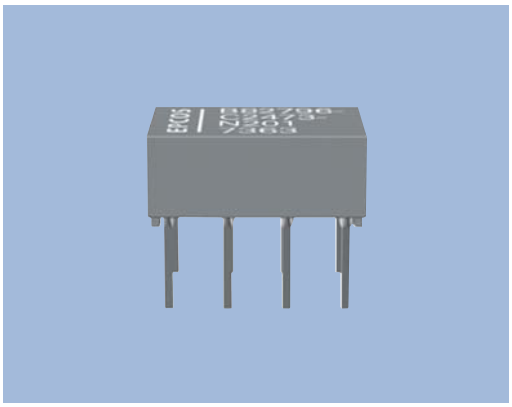


Specification	B82791G15/H15
Inductance range	2.2mH to 47mH
Inductance tolerance	±30%, 20°C B82791H15A16 -25%/-35%
Rated voltage	42Vac (50/60Hz) / 80Vdc
Test Voltage	As listed for 2 seconds
Rated temperature	60°C

Packaging
Loose

ORDER CODES

Value (mH)	Stray Inductance typ. (nH)	Rated Current (mA)	Rated Voltage (Vdc)	Test Voltage (Vdc)	DC Resistance typ. (Ω)	Order Code Horizontal	Order Code Vertical
2.2	500	100	80	1200	0.30	***B82791G15A17***	–
4.7	900	100	80	1200	0.85	***B82791G15A16***	***B82791H15A16***
10	1200	100	80	1200	1.2	–	***B82791H15A25***
38	3300	100	80	750	5.0	***B82791G15A14***	–
47	2100	100	80	750	5.1	–	***B8279H15A30***

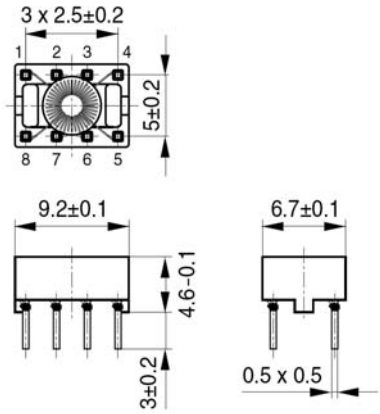


EPCOS type B82796C2

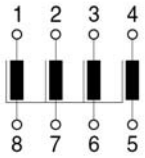
A range of common-mode choke arrays where 2 components are placed in a single package. Suitable for the suppression of asymmetrical interference coupled in on data lines, whereas data signals up to some MHz can pass unaffectedly. Supplied loose.

- Inductance values from **0.011mH to 2.2mH**
- Current compensated
- Quad choke arrays in a single package
- **Ferrite ring core**
- Rated current **100mA to 200mA**
- Supplied loose

Dimensions (mm)



Schematic

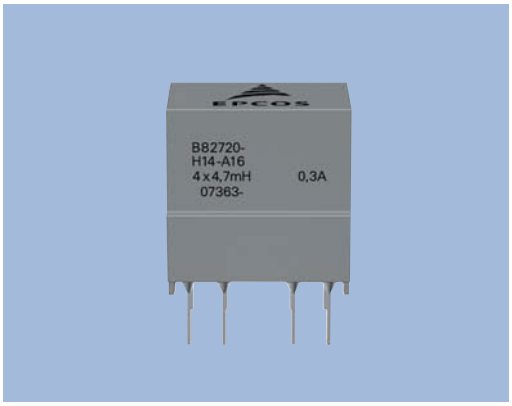


Specification	B82796C2
Inductance range	0.011mH to 2.2mH
Inductance tolerance	-30%/+50%, 20°C
Rated voltage	42Vac (50/60Hz) / 80Vdc
Test Voltage	As listed for 2 seconds
Rated temperature	60°C

Packaging
Loose

ORDER CODES

Value (mH)	Stray Inductance typ. (nH)	Rated Current (mA)	Rated Voltage (Vdc)	Test Voltage (Vdc)	DC Resistance typ. (Ω)	Order Code
0.011	70	200	80	750	0.06	***B82796C2113N201***
0.047	120	150	80	750	0.15	***B82796C2473N201***
0.47	120	100	80	750	0.35	***B82796C2474N215***
2.2	180	100	80	750	0.40	***B82796C2225N265***

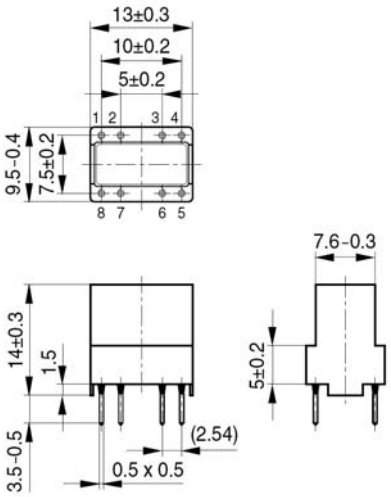


EPCOS type B82720H14

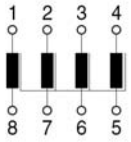
A range of common-mode choke arrays where 2 components are placed in a single package. Suitable for use in applications such as telecom switching systems, terminal systems, measuring and control lines. Supplied loose.

- Inductance values from **4.7mH to 10mH**
- Current compensated
- Quad choke arrays in a single package
- **Ferrite ring core**
- Rated current **200mA to 300mA**
- Supplied loose

Dimensions (mm)



Schematic

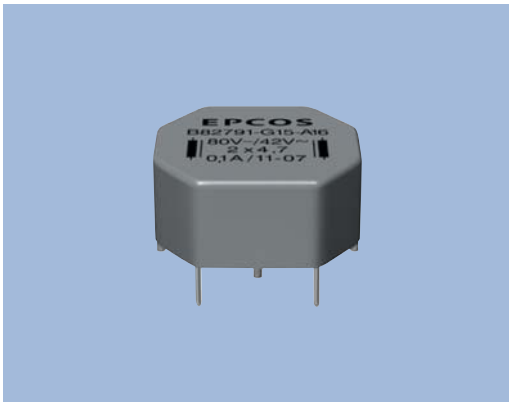


Specification	B82720H14
Inductance range	4.7mH to 10mH
Inductance tolerance	-30%/+50%, 20°C
Rated voltage	42Vac (50/60Hz) / 80Vdc
Test Voltage	As listed for 2 seconds
Rated temperature	60°C

Packaging
Loose

ORDER CODES

Value (mH)	Stray Inductance typ. (nH)	Rated Current (mA)	Rated Voltage (Vdc)	Test Voltage (Vdc)	DC Resistance typ. (Ω)	Order Code
4.7	350	300	80	750	0.90	***B82720H14A16***
5.0	400	300	80	750	0.55	***B82720H14A13***
10	450	200	80	750	1.30	***B82720H14A25***

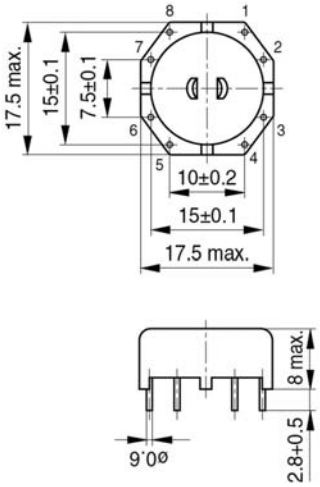


EPCOS type B82791G14

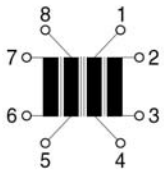
A range of common-mode choke arrays where 2 components are placed in a single package. Suitable for use in suppression of asymmetrical interference coupled in on data lines, already effective at 10kHz, such as telephone lines. Supplied loose.

- Inductance values from **0.2mH to 6mH**
- Current compensated
- Quad choke arrays in a single package
- **Ferrite ring core**
- Rated current **100mA**
- Supplied loose

Dimensions (mm)



Schematic



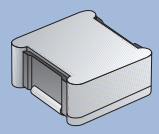
Specification	B82720G14
Inductance range	0.2mH to 6mH
Inductance tolerance	±30%, 20°C
Rated voltage	42Vac (50/60Hz) / 80Vdc
Test Voltage	As listed for 2 seconds
Rated temperature	60°C

Packaging

Loose

ORDER CODES

Value (mH)	Stray Inductance typ. (nH)	Rated Current (mA)	Rated Voltage (Vdc)	Test Voltage (Vdc)	DC Resistance typ. (Ω)	Order Code
0.2	150	100	80	750	0.30	*B82791G14A17*
4.7	500	100	80	750	0.85	*B82791G14A16*
6.0	800	100	80	750	1.20	*B82791G14A12*

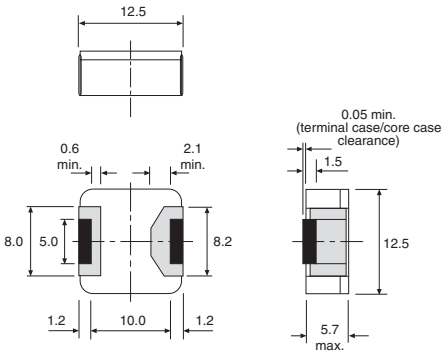


PANASONIC type PCC-F126F

A range of surface mount power chokes in a compact package. Recommended for use in DC-DC converter applications due to a high saturation current capability of up to 25.2A. Supplied taped and reeled.

- Saturation current up to **25.2A**
- Inductance values from **1.8µH to 12.5µH**
- Low leakage
- Low profile
- Supplied taped & reeled

Dimensions (mm)

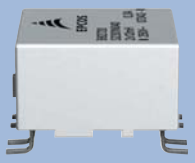


Specification	PCC-F126F
Inductance test frequency	100kHz
Inductance tolerance	≤4.1µH ±30% >4.1µH ±50%

Packaging	
Tape	24mm wide, 16mm pitch
Reel	330mm dia.

ORDER CODES

Inductance (µH) Initial at 25°C	Inductance (µH) Flat Point at 25°C	Saturation Current (A) min. at 25°C	Saturation Current (A) min. at 100°C	DC Resistance max. (mΩ)	Order Code
1.8	0.8	25.2	20.0	2.24	***ETQP6F0R8LFA***
1.9	1.0	19.4	15.4	2.24	***ETQP6F1R0SFA***
2.3	1.2	14.3	11.7	2.24	***ETQP6F1R2HFA***
2.5	1.3	18.6	15.8	3.30	***ETQP6F1R3LFA***
2.8	1.6	14.9	12.2	3.30	***ETQP6F1R6SFA***
3.1	2.0	15.1	12.1	4.92	***ETQP6F2R0LFA***
3.5	2.0	10.7	8.7	3.30	***ETQP6F2R0HFA***
3.6	2.5	11.3	9.3	4.92	***ETQP6F2R5SFA***
4.1	2.9	12.0	10.0	6.48	***ETQP6F2R9LFA***
4.8	3.2	8.6	7.1	4.92	***ETQP6F3R2HFA***
4.9	3.5	9.5	8.0	6.48	***ETQP6F3R5SFA***
5.0	4.1	10.8	8.7	8.64	***ETQP6F4R1LFA***
6.6	4.6	7.3	6.0	6.48	***ETQP6F4R6HFA***
8.3	6.4	6.2	5.2	8.64	***ETQP6F6R4HFA***
10.4	8.2	5.6	4.7	10.9	***ETQP6F8R2HFA***
12.5	10.2	4.7	4.0	13.3	***ETQP6F102HFA***

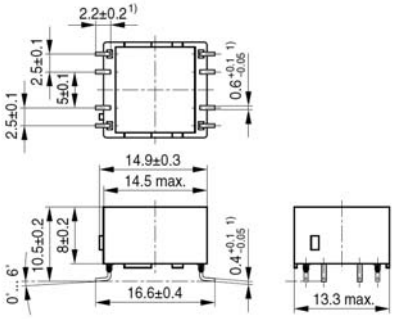


EPCOS type B82720S

A range of current compensated chokes used for suppression of common-mode interferences with approximately 0.8% stray inductance for differential-mode interference suppression. Supplied taped and reeled.

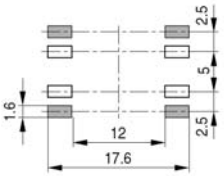
- Rated current **0.3A to 2A**
- Inductance values from **0.2mH to 6mH**
- **Ferrite ring core**
- Current compensated
- Supplied taped & reeled

Dimensions (mm)

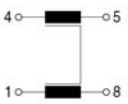


1) Soldering area

Pad Pattern



Schematic

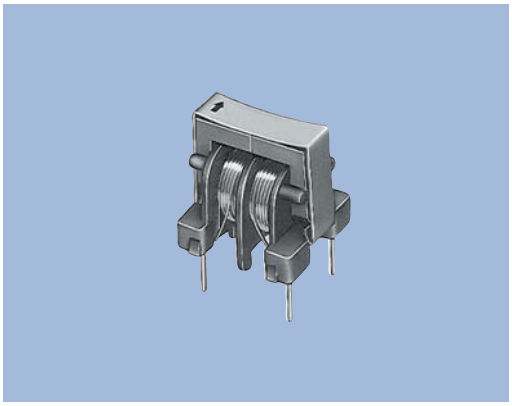


Specification	B82720S
Inductance tolerance	-30%/+50%, 20°C
Rated voltage	250Vac (50/60Hz)
Test Voltage	1500Vac, 2 secs., (line/line)
Rated temperature	40°C

Packaging	
Tape	24mm wide, 16mm pitch
Reel	330mm dia.

ORDER CODES

Rated Current (A)	Inductance Value (mH)	Stray Inductance typ. (µH)	DC Resistance typ. (mΩ)	Order Code
0.3	22	130	1500	***B82720S2301N42***
0.3	12	80	1100	***B82720S2301N40***
0.6	4.4	30	400	***B82720S2601N40***
1.0	3.0	20	220	***B82720S2102N40***
1.5	1.6	10	110	***B82720S2152N40***
2.0	1.1	6	65	***B82720S2202N40***



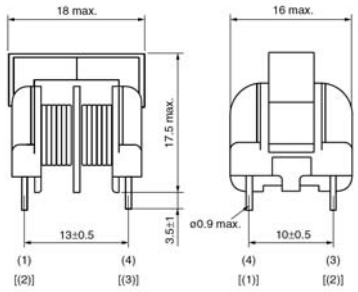
MURATA type PLA10

A range of common-mode choke coils with a choice of standard or sectional windings. Suitable for AC power input filtering of common-mode noise. Supplied boxed.

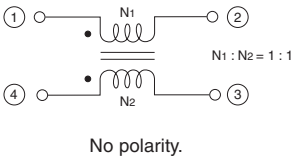
- Inductance values from **0.9mH to 43mH**
- High inductance in a compact package
- Rated current **0.3A to 2A**
- Standard or sectional winding
- Supplied boxed

Dimensions (mm)

Standard

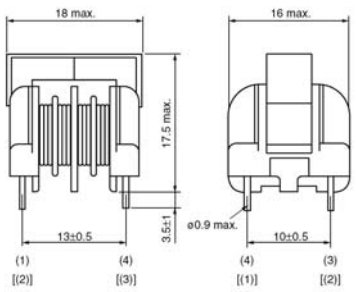


Schematic



No polarity.

Sectional



Specification	PLA10
Rated voltage	300Vac
Withstand voltage	2kV/1 min. or 2.4kV/1 sec.
Operating temperature range	-25°C to +120°C

Packaging
Boxed

Standard Winding

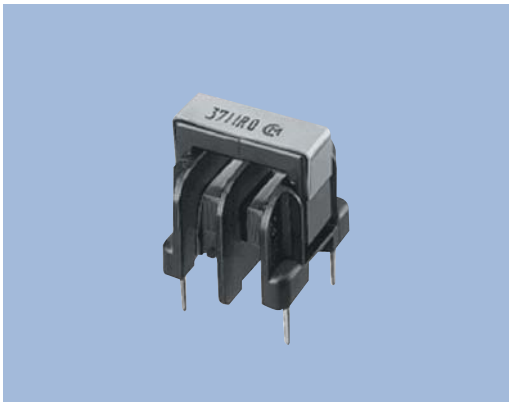
ORDER CODES

Common-Mode Inductance min. (mH)	Rated Current (A)	Insulation Resistance min. (MΩ)	Order Code
1.5	2.0	100	*PLA10AN1522R0R2B*
1.8	1.7	100	*PLA10AN1821R7R2B*
2.2	1.5	100	*PLA10AN2221R5R2B*
3.0	1.3	100	*PLA10AN3021R3R2B*
3.5	1.2	100	*PLA10AN3521R2R2B*
5.5	1.0	100	*PLA10AN5521R0R2B*
7.4	0.8	100	*PLA10AN7420R8R2B*
10	0.7	100	*PLA10AN1030R7R2B*
12	0.6	100	*PLA10AN1230R6R2B*
20	0.5	100	*PLA10AN2030R5R2B*
30	0.4	100	*PLA10AN3030R4R2B*
43	0.3	100	*PLA10AN4330R3R2B*

Sectional Winding

ORDER CODES

Common-Mode Inductance min. (mH)	Rated Current (A)	Insulation Resistance min. (MΩ)	Order Code
0.9	2.0	100	*PLA10AN9012R0D2B*
1.3	1.7	100	*PLA10AN1321R7D2B*
1.8	1.5	100	*PLA10AN1821R5D2B*
2.0	1.3	100	*PLA10AN2021R3D2B*
3.6	1.0	100	*PLA10AN3621R0D2B*
7.7	0.7	100	*PLA10AN7720R7D2B*
13	0.5	100	*PLA10AN1330R5D2B*
22	0.4	100	*PLA10AN2230R4D2B*
36	0.3	100	*PLA10AN3630R3D2B*

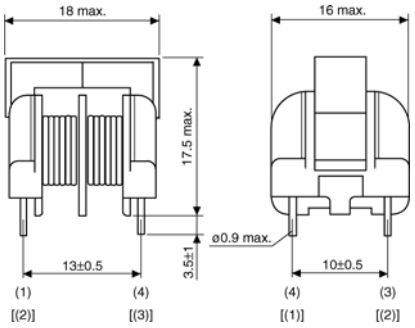


MURATA type PLH10

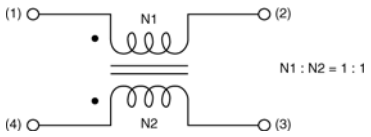
A range of common-mode choke coils in a compact case offering high performance at high frequency. Suitable for AC power input filtering of common-mode noise. Supplied boxed.

- Inductance values from **70µH to 370µH**
- Compact package
- Rated current **1A to 3.6A**
- High frequency performance
- Supplied boxed

Dimensions (mm)



Schematic



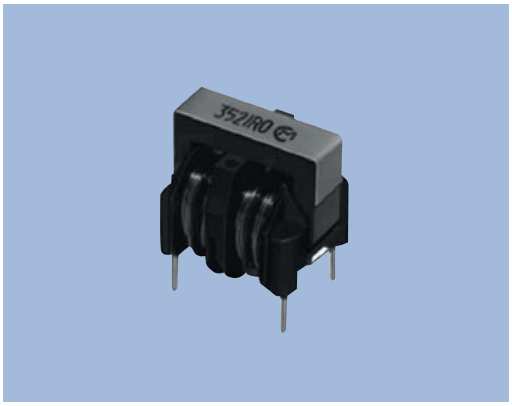
No polarity.

Specification	PLH10
Rated voltage	300Vac
Withstand voltage	2kV/1 min. or 2.4kV/1 sec.
Operating temperature range	-25°C to +120°C

Packaging
Boxed

ORDER CODES

Common-Mode Inductance min. (µH)	Rated Current (A)	Insulation Resistance min. (MΩ)	Order Code
70	3.6	100	***PLH10AN7003R6P2B***
110	2.6	100	***PLH10AN1112R6P2B***
160	2.1	100	***PLH10AN1612R1P2B***
220	1.5	100	***PLH10AN2211R5P2B***
290	1.2	100	***PLH10AN2911R2P2B***
370	1.0	100	***PLH10AN3711R0P2B***



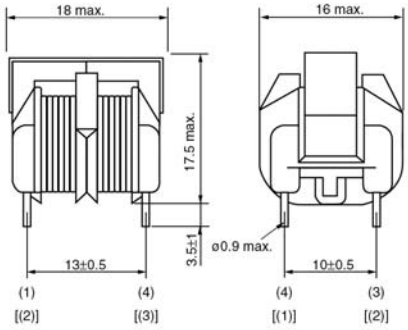
MURATA type PLY10

A range of common-mode chokes that can also handle differential-mode noise caused by harmonics. Choice of either standard or sectional winding type for high frequency noise. Supplied boxed.

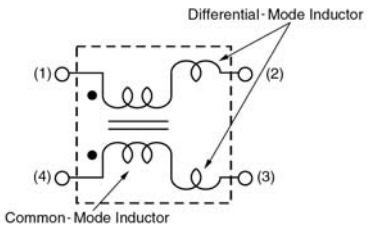
- Common-mode inductance values from **0.7mH to 14mH**
- Normal-mode inductance values from **50µH to 1000µH**
- Rated current **0.5A to 2A**
- Standard or sectional winding
- Supplied boxed

Dimensions (mm)

Standard

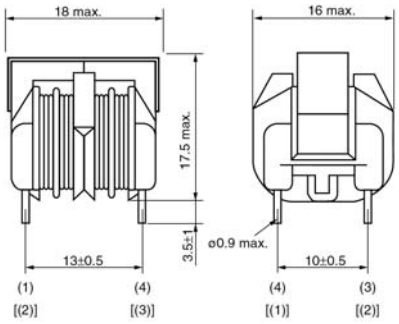


Schematic



No polarity.

Sectional



Specification	PLY10
Rated voltage	300Vac
Withstand voltage	1600Vac/1 min or 2000Vac/1 sec.
Operating temperature range	-25°C to +120°C

Packaging
Boxed

Standard Winding

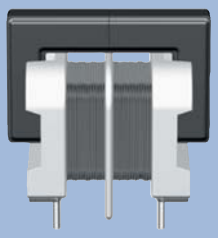
ORDER CODES

Common-Mode Inductance min. (mH)	Nominal-Mode Inductance min. (µH)	Rated Current (A)	Order Code
0.9	65	2.0	*PLY10AN9012R0R2B*
1.1	90	1.8	*PLY10AN1121R8R2B*
1.5	110	1.6	*PLY10AN1521R6R2B*
2.1	150	1.4	*PLY10AN2121R4R2B*
2.8	190	1.2	*PLY10AN2821R2R2B*
4.3	300	1.0	*PLY10AN4321R0R2B*
6.2	400	0.8	*PLY10AN6220R8R2B*
8.7	530	0.7	*PLY10AN8720R7R2B*
9.9	690	0.6	*PLY10AN9920R6R2B*
14	1000	0.5	*PLY10AN1430R5R2B*

Sectional Winding

ORDER CODES

Common-Mode Inductance min. (mH)	Nominal-Mode Inductance min. (µH)	Rated Current (A)	Order Code
0.7	50	2.0	*PLY10AN7012R0D2B*
1.1	65	1.7	*PLY10AN1121R7D2B*
1.4	110	1.4	*PLY10AN1421R4D2B*
2.3	160	1.2	*PLY10AN2321R2D2B*
3.5	240	1.0	*PLY10AN3521R0D2B*
4.4	320	0.8	*PLY10AN4420R8D2B*
8.7	500	0.7	*PLY10AN8720R7D2B*
9.7	670	0.6	*PLY10AN9720R6D2B*
11	840	0.5	*PLY10AN1130R5D2B*

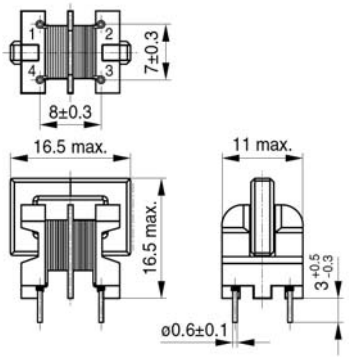


EPCOS type B82730U

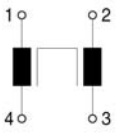
A range of current compensated chokes used for suppression of common-mode interferences with approximately 1.3% stray inductance for symmetrical interference suppression. Supplied in anti-static trays.

- Rated current **0.4A to 2.6A**
- Inductance values from **0.33mH to 15mH**
- High resonance frequency
- **Ferrite U core**
- Current compensated
- Supplied in anti-static trays

Dimensions (mm)



Schematic

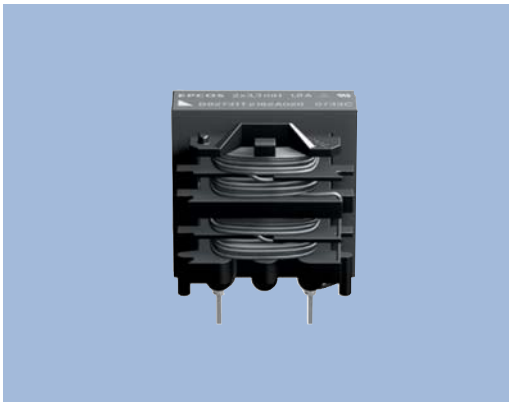


Specification	B82730U
Inductance tolerance	-30%/+50%, 20°C
Rated voltage	300Vac (50/60Hz)
Test voltage	2000Vac, 2 secs. (line/line)
Rated temperature	40°C

Packaging	
Box	Anti-static trays

ORDER CODES

Rated Current (A)	Inductance Value (mH)	Stray Inductance typ. (µH)	DC Resistance typ. (mΩ)	Order Code
0.4	15	200	2400	***B82730U3401A20***
0.45	10	140	1750	***B82730U3451A20***
0.6	4.7	70	920	***B82730U3601A20***
0.75	3.9	55	700	***B82730U3751A20***
0.95	2.2	30	410	***B82730U3951A20***
1.0	1.8	25	340	***B82730U3102A20***
1.6	1.0	14	160	***B82730U3162A20***
2.6	0.33	5.0	60	***B82730U3262A20***

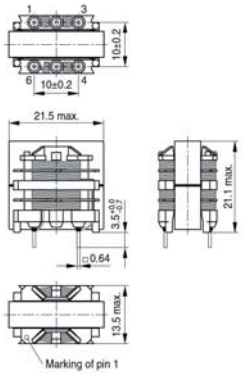


EPCOS type B82731T

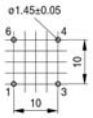
A range of current compensated chokes used for suppression of common-mode interferences with approximately 2% stray inductance for symmetrical interference suppression. Supplied in trays.

- Rated current **0.3A to 1.8A**
- Inductance values from **3.3mH to 100mH**
- High resonance frequency
- **Closed ferrite E core**
- Current compensated
- UL & VDE approvals
- Supplied in trays

Dimensions (mm)



PCB Hole Pattern



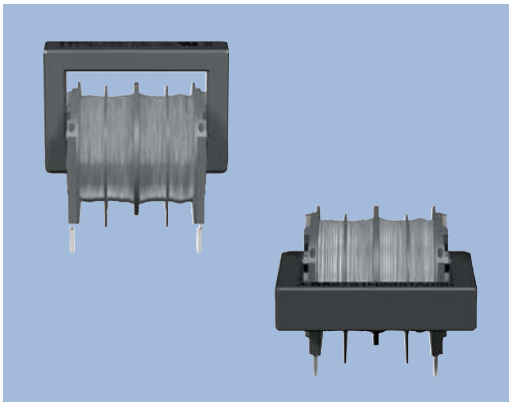
Schematic

Specification	B82731T
Inductance tolerance	-30%/+50%, 20°C
Rated voltage	250Vac (50/60Hz)
Test voltage	1500Vac, 2 secs. (line/line)
Rated temperature	40°C

Packaging	
Box	Trays

ORDER CODES

Rated Current (A)	Inductance Value (mH)	Stray Inductance typ. (µH)	DC Resistance typ. (mΩ)	Order Code
0.3	100	2000	6600	***B82731T2301A20***
0.35	68	1300	4400	***B82731T2351A20***
0.45	47	950	2800	***B82731T2451A20***
0.55	39	800	2200	***B82731T2551A20***
0.65	27	550	1600	***B82731T2651A20***
0.8	15	300	950	***B82731T2801A20***
1.0	10	200	630	***B82731T2102A20***
1.3	6.8	140	370	***B82731T2132A20***
1.8	3.3	65	200	***B82731T2182A20***



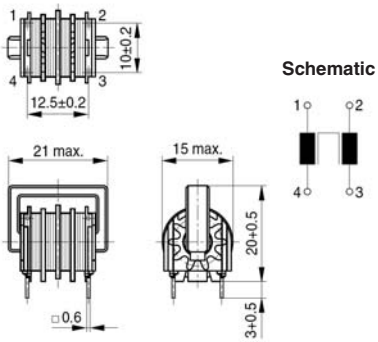
EPCOS types B82731M & B82731H

A range of current compensated chokes used for suppression of common-mode interferences with approximately 1% stray inductance for symmetrical interference suppression. Supplied in trays.

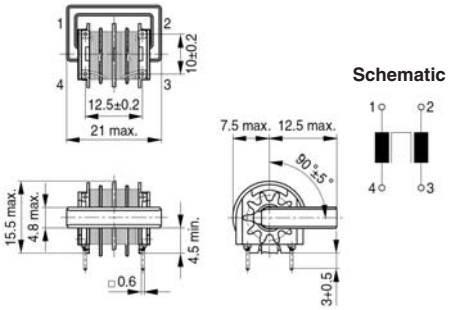
- Rated current **0.35A to 1.8A**
- Inductance values from **3.3mH to 100mH**
- High resonance frequency
- Low leakage
- **Closed rectangular ferrite core**
- Current compensated
- UL & VDE approvals on most types
- Supplied in trays

Dimensions (mm)

B8273M (Vertical)



B8273H (Horizontal)



Specification

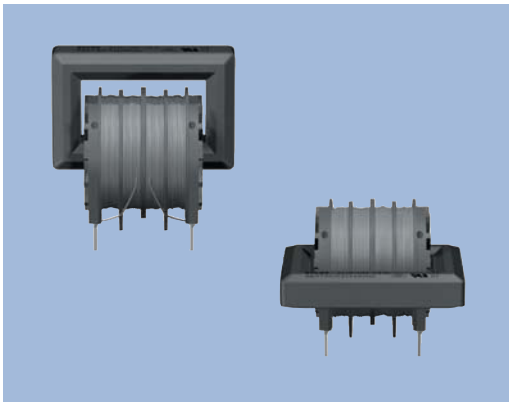
Specification	B82731x
Inductance tolerance	-30%/+50%, 20°C
Rated voltage	250Vac (50/60Hz)
Test voltage	1500Vac, 2 secs. (line/line)
Rated temperature	40°C

Packaging

Box	Trays

ORDER CODES

Rated Current (A)	Inductance Value (mH)	Stray Inductance typ. (µH)	DC Resistance typ. (mΩ)	Order Code Vertical	Order Code Horizontal
0.35	100	1000	4500	*B82731M2351A30*	*B82731H2351A30*
0.4	68	700	3000	*B82731M2401A33*	*B82731H2401A33*
0.5	47	470	2000	*B82731M2501A30*	*B82731H2501A30*
0.6	39	390	1500	*B82731M2601A30*	*B82731H2601A30*
0.7	27	270	1000	*B82731M2701A30*	*B82731H2701A30*
0.8	22	220	800	*B82731M2801A30*	*B82731H2801A30*
0.9	15	150	600	*B82731M2901A30*	*B82731H2901A30*
1.1	10	100	400	*B82731M2112A30*	*B82731H2112A30*
1.3	6.8	70	280	*B82731M2132A30*	*B82731H2132A30*
1.8	3.3	35	140	*B82731M2182A30*	*B82731H2182A30*



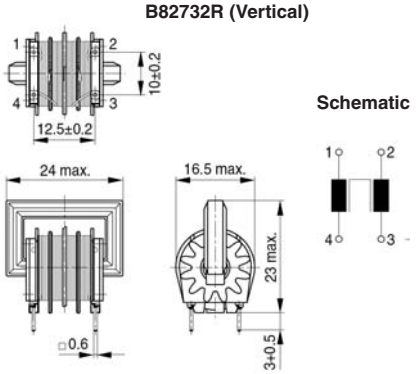
EPCOS types B82732R & B82732W

A range of current compensated chokes used for suppression of common-mode interferences with approximately 1% stray inductance for symmetrical interference suppression.
Supplied in trays.

- Rated current **0.4A to 2.2A**
- Inductance values from **3.3mH to 100mH**
- High resonance frequency
- Low leakage
- **Closed rectangular ferrite core**
- Current compensated
- UL & VDE approvals on most types
- Supplied in trays

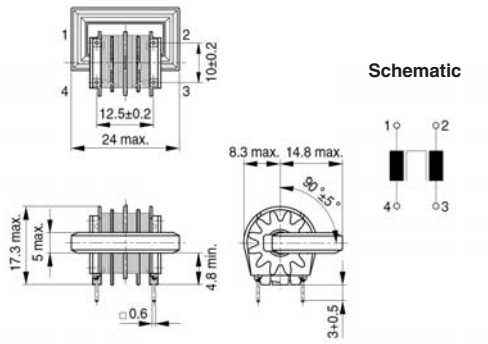
Dimensions (mm)

B82732R (Vertical)



Schematic

B82732W (Horizontal)



Schematic

Specification

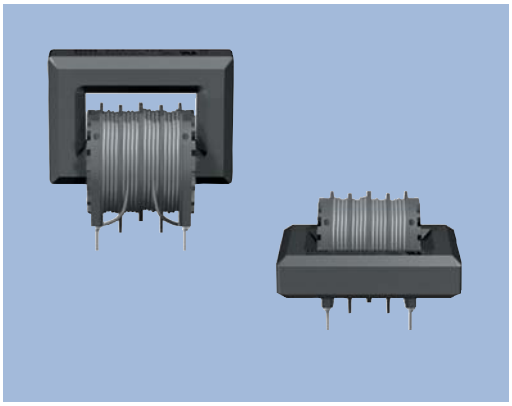
Specification	B82732x
Inductance tolerance	-30%/+50%, 20°C
Rated voltage	250Vac (50/60Hz)
Test voltage	1500Vac, 2 secs. (line/line)
Rated temperature	40°C

Packaging

Box	Trays

ORDER CODES

Rated Current (A)	Inductance Value (mH)	Stray Inductance typ. (µH)	DC Resistance typ. (mΩ)	Order Code Vertical	Order Code Horizontal
0.4	100	850	3000	*B82732R2401B30*	*B82732W2401B30*
0.6	47	400	1400	*B82732R2601B30*	*B82732W2601B30*
0.7	39	330	1100	*B82732R2701B30*	*B82732W2701B30*
0.9	27	230	750	*B82732R2901B30*	*B82732W2901B30*
1.0	22	165	580	*B82732R2102B30*	*B82732W2102B30*
1.1	15	125	440	*B82732R2112B30*	*B82732W2112B30*
1.4	10	85	300	*B82732R2142B30*	*B82732W2142B30*
1.7	6.8	55	190	*B82732R2172B30*	*B82732W2172B30*
2.2	3.3	27	110	*B82732R2222B30*	*B82732W2222B30*



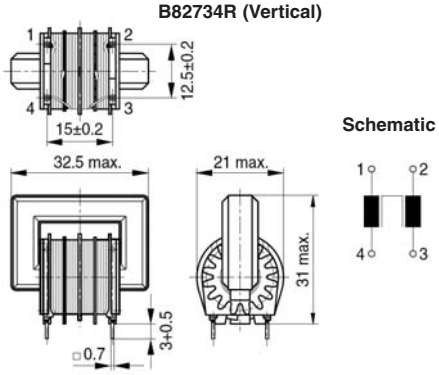
EPCOS types B82734R & B82734W

A range of current compensated chokes used for suppression of common-mode interferences with approximately 1% stray inductance for symmetrical interference suppression.
Supplied in trays.

- Rated current **0.7A to 4.6A**
- Inductance values from **3.3mH to 68mH**
- High resonance frequency
- Low leakage
- **Closed rectangular ferrite core**
- Current compensated
- UL & VDE approvals on most types
- Supplied in trays

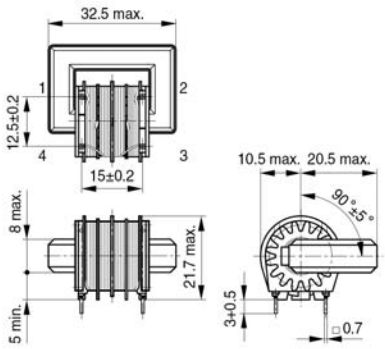
Dimensions (mm)

B82734R (Vertical)

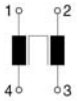


Schematic

B82734W (Horizontal)



Schematic



Specification

Specification	B82734x
Inductance tolerance	-30%/+50%, 20°C
Rated voltage	250Vac (50/60Hz)
Test voltage	1500Vac, 2 secs. (line/line)
Rated temperature	40°C

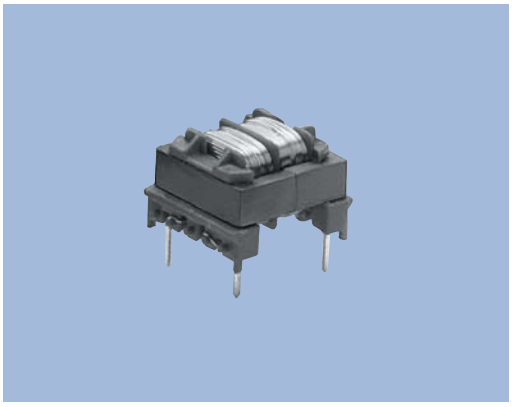
Packaging

Box	Trays

ORDER CODES

Rated Current (A)	Inductance Value (mH)	Stray Inductance typ. (µH)	DC Resistance typ. (mΩ)	Order Code Vertical	Order Code Horizontal
0.7	68	410	1450	*B82734R2701B30**	*B82734W2701B30**
1.3	47	250	560	*B82734R2132B30*	*B82734W2132B30*
1.4	39	210	460	*B82734R2142B30*	*B82734W2142B30*
1.7	27	140	320	*B82734R2172B30*	*B82734W2172B30*
2.0	20	105	240	*B82734R2202B30*	*B82734W2202B30*
2.3	15	80	185	*B82734R2232B30*	*B82734W2232B30*
2.6	10	53	130	*B82734R2262B30*	*B82734W2262B30*
3.2	6.8	35	85	*B82734R2322B30*	*B82734W2322B30*
4.6	3.3	17	46	*B82734R2462B30*	*B82734W2462B30*

* Rated temperature 60°C

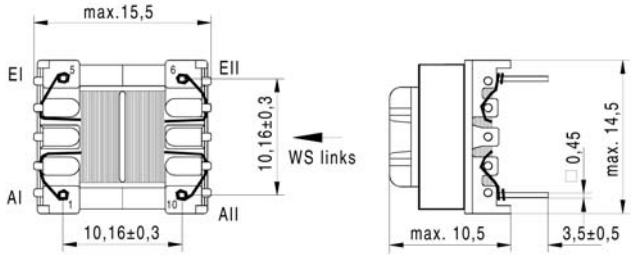


KASCHKE type E13/4

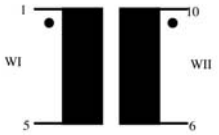
A range of common-mode chokes designed for use with Power Integrations TinySwitch® family. Supplied boxed.

- Rated current **0.24A to 0.54A**
- Inductance values from **12mH to 33mH**
- Complements TinySwitch®
- Supplied boxed

Dimensions (mm)



Schematic

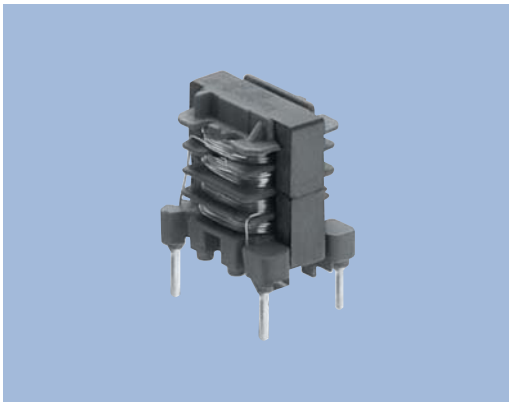


Specification	E13/4
Rated voltage	85Vac to 265Vac
Inductance tolerance	±30%
Dielectric strength	0.5kV (winding/winding)
Rated temperature	-25°C to +125°C

Packaging
Boxed

ORDER CODES

Nominal Inductance (mH)	Nominal Current (A)	Rdc max. (Ω)	Order Code
12	0.54	16	***071.921***
22	0.28	3.0	***071.923***
27	0.26	3.8	***071.924***
33	0.24	4.0	***071.925***



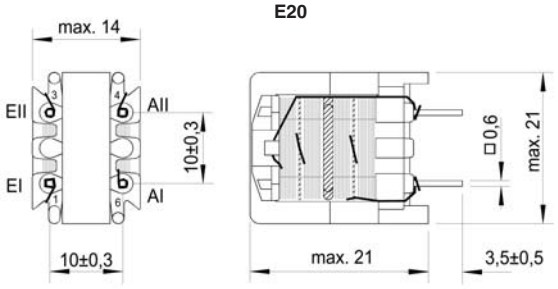
KASCHKE type E20 & E16

A range of common-mode chokes designed for use with Power Integrations TopSwitch® family. Supplied boxed.

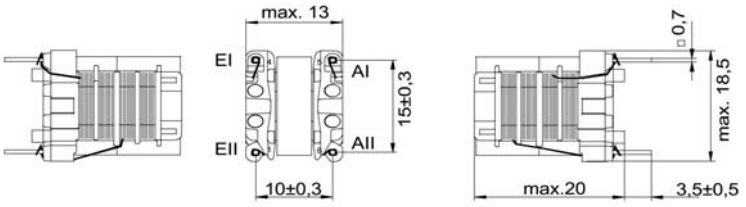
- Rated current **0.5A to 0.9A**
- Inductance values from **15mH to 27mH**
- Complements TopSwitch®
- Supplied boxed

Dimensions (mm)

E20



E16



Schematic

Schematic

Specification	E20 & E16
Rated voltage	85Vac to 265Vac
Inductance tolerance	±30%
Dielectric strength	1.5kV (winding/winding)
Rated temperature	-25°C to +125°C

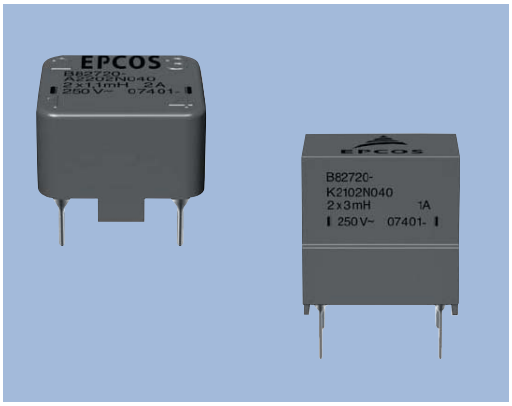
Packaging
Boxed

Type E20

ORDER CODES			
Nominal Inductance (mH)	Nominal Current (A)	Rdc max. (Ω)	Order Code
22.5	0.8	0.75	*094.916*

Type E16

ORDER CODES			
Nominal Inductance (mH)	Nominal Current (A)	Rdc max. (Ω)	Order Code
15	0.6	1.0	*093.259*
27	0.5	2.0	*093.267*



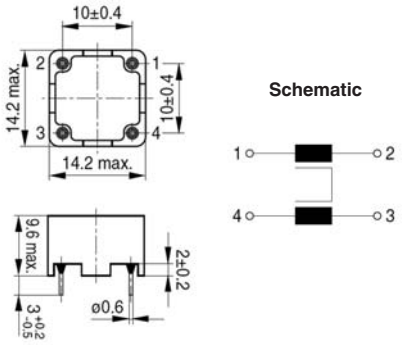
EPCOS types B82720A & B82720K

A range of current compensated chokes used for suppression of common-mode interferences with approximately 1% stray inductance for symmetrical interference suppression. Supplied loose.

- Rated current **0.3A to 2A**
- Inductance values from **1.1mH to 22mH**
- High resonance frequency
- **Ferrite ring core**
- Current compensated
- Supplied loose

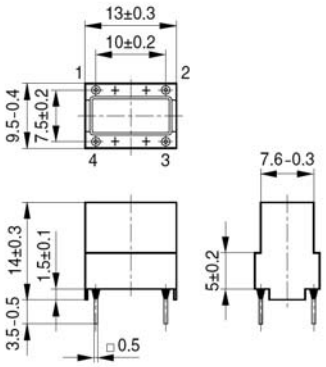
Dimensions (mm)

B82720A (Horizontal)

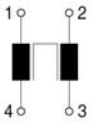


Schematic

B82720K (Vertical)



Schematic



Specification

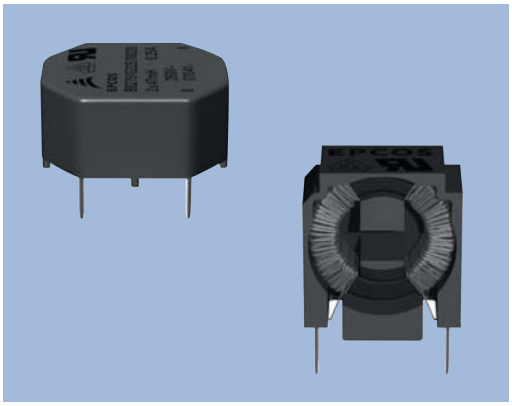
Specification	B82720A/K
Inductance tolerance	-30%/+50%, 20°C
Rated voltage	250Vac (50/60Hz)
Test Voltage	1500Vac, 2 secs. (line/line)
Rated temperature	40°C

Packaging

Box	Loose

ORDER CODES

Rated Current (A)	Inductance Value (mH)	Stray Inductance typ. (µH)	DC Resistance typ. (mΩ)	Order Code Horizontal	Order Code Vertical
0.3	22	130	1500	*B82720A2301N42*	*B82720K2301N42*
0.3	12	80	1100	*B82720A2301N40*	*B82720K2301N40*
0.6	4.4	30	400	*B82720A2601N40*	*B82720K2601N40*
1.0	3.0	20	220	*B82720A2102N40*	*B82720K2102N40*
1.5	1.6	10	110	*B82720A2152N40*	*B82720K2152N40*
2.0	1.1	6	65	*B82720A2202N40*	*B82720K2202N40*



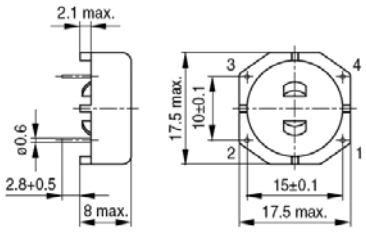
EPCOS types B82791G & B82791H

A range of common-mode chokes used for suppression of common-mode interferences with approximately 1.5% stray inductance for symmetrical interference suppression. Supplied loose.

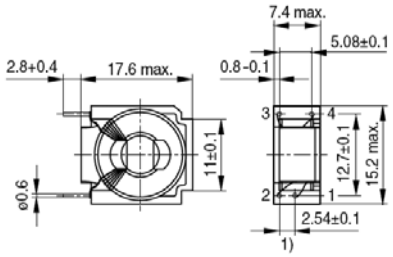
- Rated current **0.25A to 0.9A**
- Inductance values from **4.7mH to 47mH**
- High resonance frequency
- **Ferrite ring core**
- Current compensated
- UL and VDE approvals
- Supplied loose

Dimensions (mm)

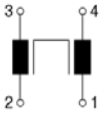
B82791G (Horizontal)



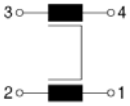
B82791H (Vertical)



Schematic



Schematic



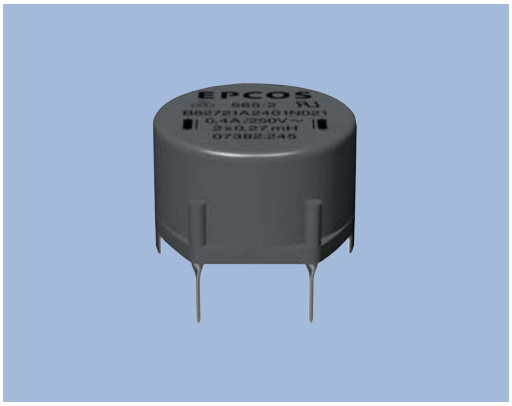
Specification	B82791G/H
Inductance tolerance	-30%/+50%, 20°C
Rated voltage	250Vac (50/60Hz)
Test Voltage	1500Vac, 2 secs. (line/line)
Rated temperature	40°C

Packaging	
Box	Loose

ORDER CODES

Rated Current (A)	Inductance Value (mH)	Stray Inductance typ. (µH)	DC Resistance typ. (mΩ)	Order Code Horizontal	Order Code Vertical
0.25	47	600	2400	*B82791G2251N20*	*B82791H2251N20*
0.3	30	500	2200	*B82791G2301N1*	*B82791H2301N1*
0.35	22	400	1900	*B82791G2351N1*	*B82791H2351N1*
0.4	15	250	1350	*B82791G2401N1*	*B82791H2401N1*
0.5	10	170	1000	*B82791G2501N1*	*B82791H2501N1*
0.6	6.8	120	630	*B82791G2601N1*	*B82791H2601N1*
0.7	4.7	75	440	*B82791G2701N1*	*B82791H2701N1*
0.9	4.7	55	250	–	*B82791H2901N20**

* Rated temperature 60°C

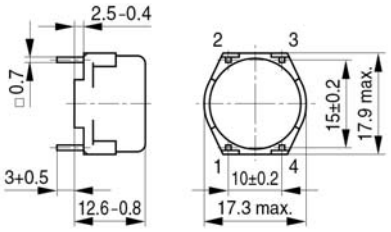


EPCOS type B82721A

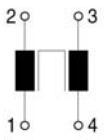
A range of current compensated chokes used for suppression of common-mode interferences with approximately 1% stray inductance for symmetrical interference suppression.
Supplied in trays.

- Rated current **0.4A to 4A**
- Inductance values from **0.7mH to 39mH**
- High resonance frequency
- **Ferrite ring core**
- Current compensated
- UL and/or VDE approvals on most types
- Supplied in trays

Dimensions (mm)



Schematic



Specification	B82721A
Inductance tolerance	±30%, 20°C
Rated voltage	250Vac (50/60Hz)
Test Voltage	1500Vac, 2 secs. (line/line)
Rated temperature	40°C

Packaging	
Box	Trays

ORDER CODES

Rated Current (A)	Inductance Value (mH)	Stray Inductance typ. (µH)	DC Resistance typ. (mΩ)	Order Code
0.4	39	450	2000	***B82721A2401N20***
0.4	27	300	1700	***B82721A2401N21***
0.5	18	250	1400	***B82721A2501N1***
0.6	15	170	700	***B82721A2601N20***
0.7	10	110	550	***B82721A2701N20****
1.2	6.8	80	280	***B82721A2122N20***
1.5	3.3	37	180	***B82721A2152N1***
2.0	1.0	13	80	***B82721A2202N1***
2.6	0.4	6	55	***B82721A2262N1***
3.6	0.4	6	35	***B82721A2362N1***
4.0	0.7	7	30	***B82721A2402N20***

* Rated temperature 60°C

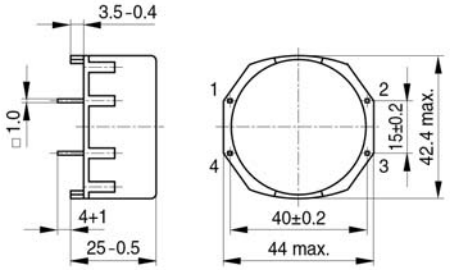
A vertical option, B82721J & B82721K offering a choice of pitch, is available to order

EPCOS type B82725A

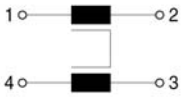
A range of current compensated chokes used for suppression of common-mode interferences with approximately 1% stray inductance for symmetrical interference suppression. Supplied in trays.

- Rated current **1A to 16A**
- Inductance values from **0.56mH to 82mH**
- High resonance frequency
- **Ferrite ring core**
- Current compensated
- UL and VDE approvals on many types
- Supplied in trays

Dimensions (mm)



Schematic

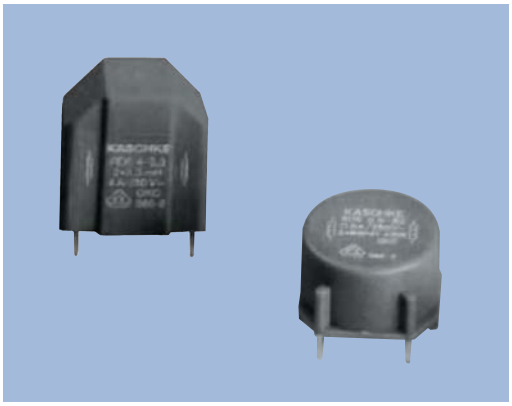


Specification	B82725A
Inductance tolerance	±30%, 20°C
Rated voltage	250Vac (50/60Hz)
Test Voltage	1500Vac, 2 secs. (line/line)
Rated temperature	As listed

Packaging	
Box	Trays

ORDER CODES

Rated Current (A)	Inductance Value (mH)	Stray Inductance typ. (µH)	DC Resistance typ. (mΩ)	Rated Temperature (°C)	Order Code
1.0	68	850	1300	60	***B82725A2102N1***
1.2	82	800	950	60	***B82725A2122N20***
2.0	18	220	330	60	***B82725A2202N1***
4.0	14	100	80	60	***B82725A2402N20***
4.0	6.8	75	80	60	***B82725A2402N1***
6.0	3.9	40	40	60	***B82725A2602N1***
8.0	3.9	35	31	40	***B82725A2802N20***
8.0	2.7	25	22	60	***B82725A2802N1***
10	1.8	20	14	60	***B82725A2103N1***
12	3.3	16	12	60	***B82725A2123N40***
12	1.0	14	11	55	***B82725A2123N1***
14	1.2	12	10	45	***B82725A2143N20***
16	0.56	6	7	40	***B82725A2163N20***



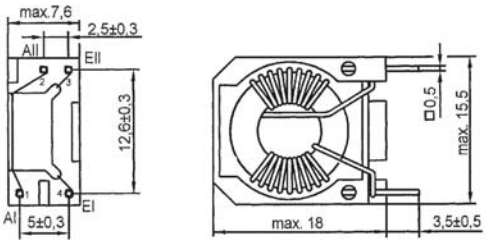
KASCHKE types RDS15V & RDS15H

A range of common-mode filter chokes used for attenuation of symmetrical and asymmetrical noise. Offering low sensitivity to saturation and broad damping characteristics. Supplied in trays.

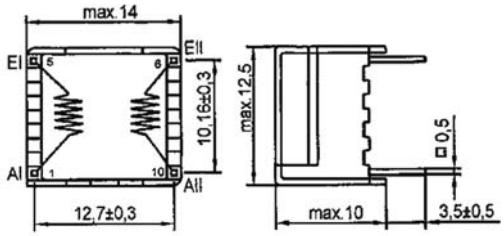
- Rated current **0.3A to 1.1A**
- Inductance values from **1.5mH to 27mH**
- **Common-mode toroid chokes**
- Low sensitivity to saturation
- Supplied in trays

Dimensions (mm)

RDS15V (Vertical)



RDS15H (Horizontal)



Specification	RDS15V/H
Rated voltage	85-265Vac
Isolation between windings	1500Vac
Operating temperature range	-25°C to +125°C

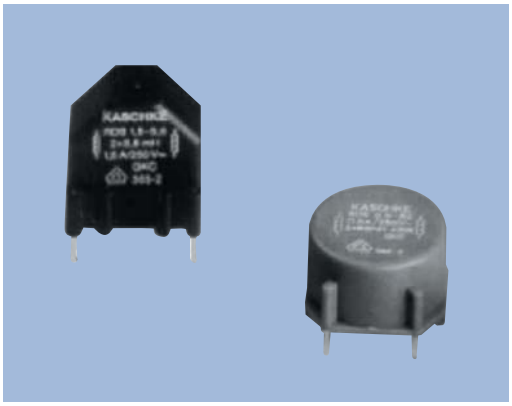
Packaging	
Box	Trays

Type **RDS15V**, Vertical

ORDER CODES			
Nominal Current (A)	**Nominal Inductance (mH)**	**DC Resistance +10% (Ω)**	**Order Code**
0.3	27	1.5	***043.200***
0.3	18	1.4	***043.201***
0.3	15	1.1	***043.202***
0.4	10	0.7	***043.203***
0.5	6.8	4.45	***043.204***
0.6	4.7	0.3	***043.205***
0.7	3.9	0.25	***043.206***
0.8	2.7	0.2	***043.207***
1.0	2.2	0.12	***043.208***
1.1	1.5	0.1	***043.209***

Type **RDS15H**, Horizontal

ORDER CODES			
Nominal Current (A)	**Nominal Inductance (mH)**	**DC Resistance +10% (Ω)**	**Order Code**
0.3	18	0.9	***044.201***
0.3	15	0.7	***044.202***
0.4	10	0.5	***044.203***
0.5	6.8	0.3	***044.204***
0.6	4.7	0.25	***044.205***
0.6	3.9	0.2	***044.206***
0.7	2.7	0.15	***044.207***
0.9	2.2	0.09	***044.208***
0.9	1.5	0.08	***044.209***



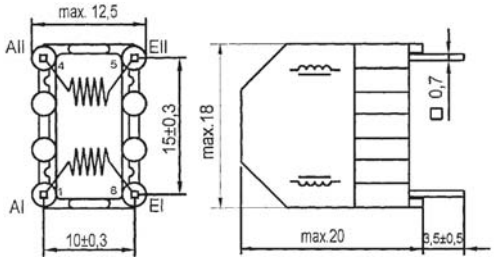
KASCHKE types RDS18V & RDS18H

A range of common-mode filter chokes used for attenuation of symmetrical and asymmetrical noise. Offering low sensitivity to saturation and broad damping characteristics. Supplied in trays.

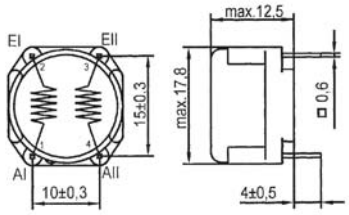
- Rated current **0.3A to 2.6A**
- Inductance values from **0.4mH to 47mH**
- **Common-mode toroid chokes**
- Low sensitivity to saturation
- Supplied in trays

Dimensions (mm)

RDS18V (Vertical)



RDS18H (Horizontal)



Specification	RDS18V/H
Rated voltage	85-265Vac
Isolation between windings	1500Vac
Operating temperature range	-25°C to +125°C

Packaging	
Box	Trays

Type **RDS18V**, Vertical

ORDER CODES			
Nominal Current (A)	Nominal Inductance (mH)	DC Resistance +10% (Ω)	Order Code
0.3	47	2.0	***049.625***
0.4	39	1.6	***049.659***
0.5	27	1.1	***049.651***
0.6	15	0.8	***049.652***
0.7	10	0.65	***049.670***
1.2	6.8	0.31	***049.674***
1.2	5.6	0.28	***049.653***
1.5	3.3	0.18	***049.671***
1.5	2.7	0.13	***049.654***
2.0	1.0	0.07	***049.672***
2.6	0.4	0.05	***049.668***

Type **RDS18H**, Horizontal

ORDER CODES			
Nominal Current (A)	Nominal Inductance (mH)	DC Resistance +10% (Ω)	Order Code
0.3	47	1.8	***049.409***
0.4	39	1.6	***049.404***
0.5	27	1.1	***049.406***
0.6	15	0.7	***049.403***
0.7	10	0.5	***049.410***
1.2	6.8	0.28	***049.411***
1.5	3.3	0.17	***049.405***
2.0	1.0	0.06	***049.412***
2.6	0.4	0.035	***049.413***

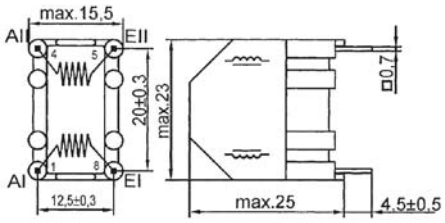
KASCHKE types RDS23V & RDS23H

A range of common-mode filter chokes used for attenuation of symmetrical and asymmetrical noise. Offering low sensitivity to saturation and broad damping characteristics. Supplied in trays.

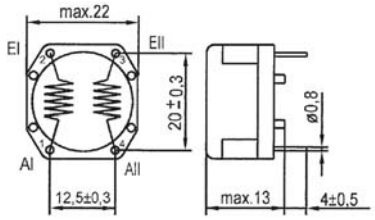
- Rated current **0.4A to 3A**
- Inductance values from **1.2mH to 47mH**
- **Common-mode toroid chokes**
- Low sensitivity to saturation
- Supplied in trays

Dimensions (mm)

RDS23V (Vertical)



RDS23H (Horizontal)



Specification	RDS23V/H
Rated voltage	85-265Vac
Isolation between windings	1500Vac
Operating temperature range	-25°C to +125°C

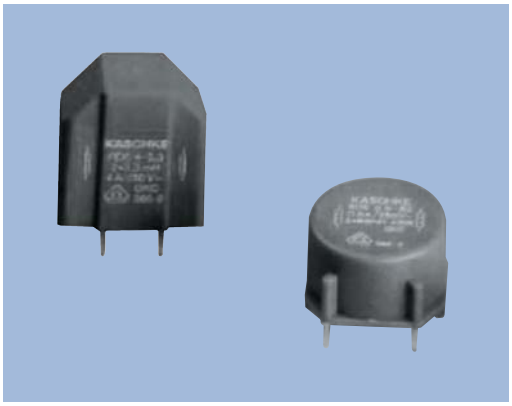
Packaging	
Box	Trays

Type **RDS23V**, Vertical

ORDER CODES			
Nominal Current (A)	Nominal Inductance (mH)	DC Resistance +10% (Ω)	Order Code
0.5	47	1.7	***049.755***
0.5	39	1.2	***049.770***
0.8	27	0.6	***049.751***
1.0	18	0.4	***049.752***
1.0	15	0.4	***049.771***
1.2	10	0.35	***049.772***
1.5	5.6	0.2	***049.753***
2.2	2.7	0.09	***049.754***
3.0	1.2	0.05	***049.773***

Type **RDS23H**, Horizontal

ORDER CODES			
Nominal Current (A)	Nominal Inductance (mH)	DC Resistance +10% (Ω)	Order Code
0.4	47	1.7	***049.201***
0.5	39	1.2	***049.220***
0.5	27	0.9	***049.202***
0.7	33	0.8	***049.210***
1.0	15	0.5	***049.221***
1.2	10	0.35	***049.203***
1.5	6.8	0.25	***049.222***
2.0	2.2	0.1	***049.204***
3.0	1.2	0.05	***049.205***



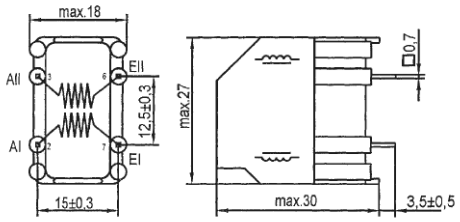
KASCHKE types RDS27V & RDS27H

A range of common-mode filter chokes used for attenuation of symmetrical and asymmetrical noise. Offering low sensitivity to saturation and broad damping characteristics. Supplied in trays.

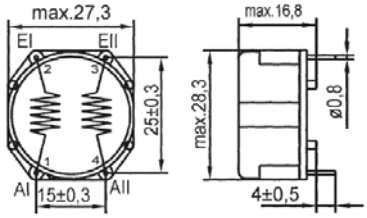
- Rated current **0.5A to 6A**
- Inductance values from **1.5mH to 56mH**
- **Common-mode toroid chokes**
- Low sensitivity to saturation
- Supplied in trays

Dimensions (mm)

RDS27V (Vertical)



RDS27H (Horizontal)



Specification	RDS27V/H
Rated voltage	85-265Vac
Isolation between windings	1500Vac
Operating temperature range	-25°C to +125°C

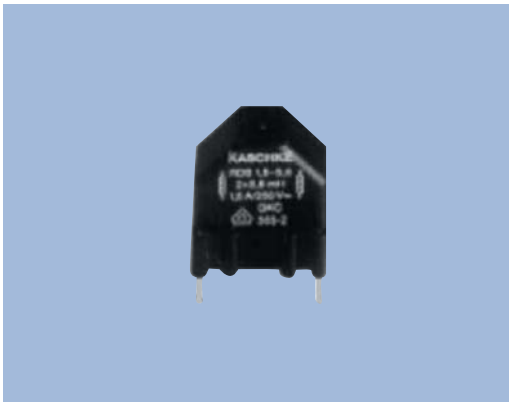
Packaging	
Box	Trays

Type **RDS27V**, Vertical

ORDER CODES			
Nominal Current (A)	Nominal Inductance (mH)	DC Resistance +10% (Ω)	Order Code
0.5	56	1.6	***049.908***
0.6	39	1.1	***049.909***
1.0	27	0.65	***049.906***
1.2	15	0.3	***049.900***
1.6	10	0.22	***049.901***
2.0	6.8	0.14	***049.904***
4.0	3.3	0.045	***049.903***

Type **RDS27H**, Horizontal

ORDER CODES			
Nominal Current (A)	Nominal Inductance (mH)	DC Resistance +10% (Ω)	Order Code
0.5	56	1.6	***049.251***
0.6	39	1.1	***049.258***
1.0	27	0.65	***049.252***
1.2	15	0.3	***049.271***
1.6	10	0.22	***049.272***
2.0	5.6	0.16	***049.253***
2.0	6.8	0.14	***049.274***
4.0	2.7	0.056	***049.254***
4.0	3.3	0.06	***049.273***
6.0	1.5	0.015	***049.267***

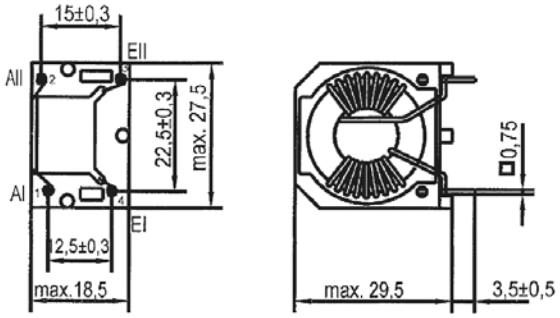


KASCHKE type RDS29V

A range of common-mode filter chokes used for attenuation of symmetrical and asymmetrical noise. Offering low sensitivity to saturation and broad damping characteristics. Supplied in trays.

- Rated current **0.6A to 5A**
- Inductance values from **1.2mH to 56mH**
- **Common-mode toroid chokes**
- Low sensitivity to saturation
- Supplied in trays

Dimensions (mm)

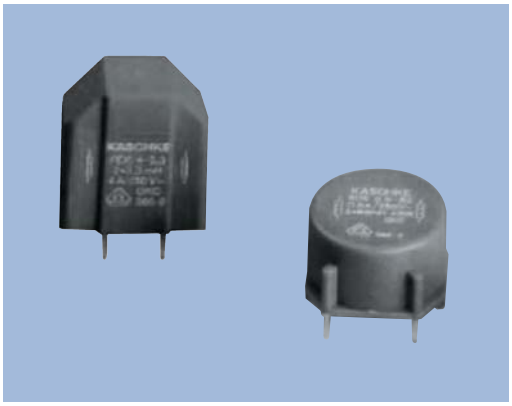


Specification	RDS29V
Rated voltage	85-265Vac
Isolation between windings	1500Vac
Operating temperature	-25°C to +125°C

Packaging	
Box	Trays

Type RDS29V, Vertical

ORDER CODES			
Nominal Current (A)	Nominal Inductance (mH)	DC Resistance +10% (Ω)	Order Code
0.6	56	1.3	***043.800***
0.7	39	0.9	***043.801***
1.1	27	0.5	***043.802***
1.4	15	0.3	***043.803***
1.7	10	0.22	***043.804***
2.2	6.8	0.15	***043.805***
4.0	3.3	0.045	***043.806***
4.5	2.2	0.03	***043.807***
5.0	1.2	0.02	***043.808***



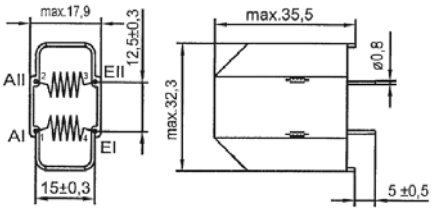
KASCHKE types RDS32V & RDS32H

A range of common-mode filter chokes used for attenuation of symmetrical and asymmetrical noise. Offering low sensitivity to saturation and broad damping characteristics. Supplied in trays.

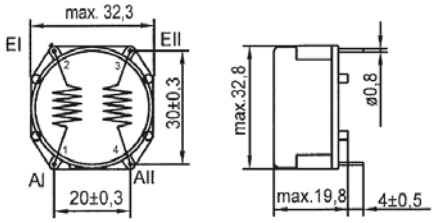
- Rated current **0.5A to 6A**
- Inductance values from **1.2mH to 82mH**
- **Common-mode toroid chokes**
- Low sensitivity to saturation
- Supplied in trays

Dimensions (mm)

RDS32V (Vertical)



RDS32H (Horizontal)



Specification	RDS32V/H
Rated voltage	85-265Vac
Isolation between windings	1500Vac
Operating temperature	-25°C to +125°C

Packaging	
Box	Trays

Type **RDS32V**, Vertical

ORDER CODES			
Nominal Current (A)	Nominal Inductance (mH)	DC Resistance +10% (Ω)	Order Code
0.5	82	1.8	***049.851***
0.8	49	1.2	***049.858***
1.0	33	0.6	***049.852***
1.4	27	0.4	***049.802***
1.6	18	0.27	***049.853***
2.0	10	0.20	***049.859***
2.0	6.8	0.17	***049.854***
4.0	3.3	0.06	***049.855***
6.0	2.0	0.03	***049.857***
6.0	1.2	0.02	***049.856***

Type **RDS32H**, Horizontal

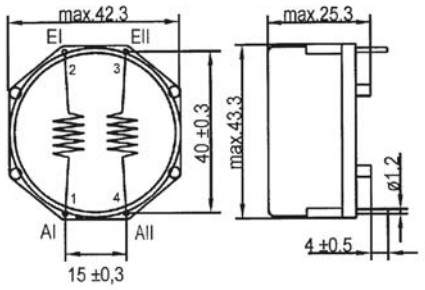
ORDER CODES			
Nominal Current (A)	Nominal Inductance (mH)	DC Resistance +10% (Ω)	Order Code
0.5	82	1.8	***049.301***
0.8	49	1.2	***049.307***
1.0	33	0.6	***049.302***
1.4	27	0.4	***049.332***
1.6	18	0.27	***049.331***
2.0	10	0.20	***049.333***
2.0	6.8	0.17	***049.303***
4.0	3.3	0.06	***049.304***
6.0	2.0	0.03	***049.335***
6.0	1.2	0.02	***049.334***

KASCHKE type RDS43H

A range of common-mode filter chokes used for attenuation of symmetrical and asymmetrical noise. Offering low sensitivity to saturation and broad damping characteristics. Supplied in trays.

- Rated current **1A to 10A**
- Inductance values from **1.8mH to 68mH**
- **Common-mode toroid chokes**
- Low sensitivity to saturation
- Supplied in trays

Dimensions (mm)

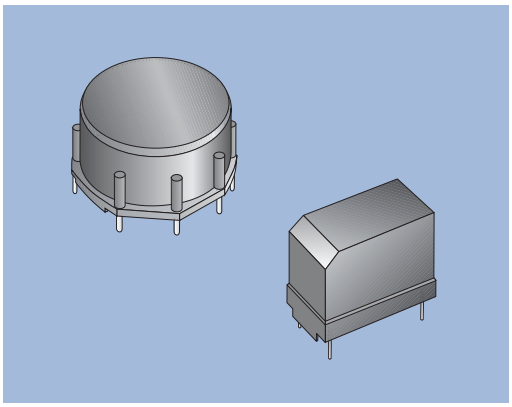


Specification	RDS43H
Rated voltage	85-265Vac
Isolation between windings	1500Vac
Operating temperature range	-25°C to +125°C

Packaging	
Box	Trays

Type RDS43H, Horizontal

ORDER CODES			
Nominal Current (A)	Nominal Inductance (mH)	DC Resistance +10% (Ω)	Order Code
1.0	68	1.3	***049.351***
2.0	18	0.3	***049.352***
4.0	6.8	0.08	***049.353***
6.0	3.9	0.043	***049.354***
8.0	2.7	0.023	***049.355***
10.0	1.8	0.014	***049.356***



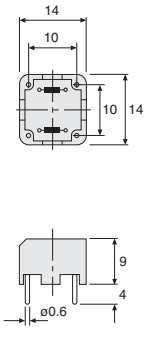
SCHAFFNER type RN Series

A range of current compensated chokes for attenuating common-mode/asymmetrical interference signals by connection in series with the phase and neutral lines of an AC power line input. Symmetrical attenuation is achieved by the leakage inductance of the windings. Supplied in tubes.

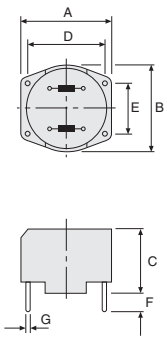
- Rated current **0.3A to 10A**
- Inductance values from **0.7mH to 100mH**
- Wide variety of applications
- UL & VDE approvals
- Attenuation of common-mode/asymmetrical and symmetrical interference
- 100kHz to 3MHz common-mode resonance frequency
- Supplied in tubes

Dimensions (mm)

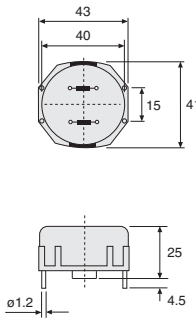
RN1 (Horizontal)



RN102

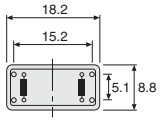


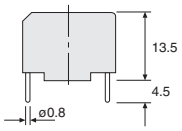
RN112, 114, 122, 142 & 143



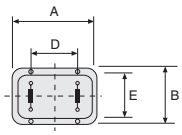
RN152

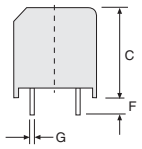
RN2 (Vertical)





RN202

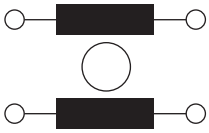




RN212, 214, 222 & 242

	RN112	RN114	RN122	RN142	RN143
A	17.7	22.5	28	33.1	
B	17.1	21.5	27	32.5	
C	12.6	13.2	16.5	19.7	
D	15	20.1	25	30	
E	10	12.5	15	20	
F	4			4.3	
G	ø0.8				

Schematic



	RN212	RN214	RN222	RN242
A	18	23	31	
B	12.5	15.5	18	
C	20	25	29.3	34.3
D	15	10	12.5	
E	10	12.5	15	
F	4			4.2
G	ø0.8			

Specification

	RN
Maximum voltage	250Vac at 40°C
Hipot voltage	1500Vac, 1 min. (winding/winding) 4000Vac, 1 min. (winding/housing)
Inductance tolerance	-30%/+50%
Surge current at 10m sec	20 x I nominal, 25°C
Operating temperature range	-40°C to +125°C

Packaging

Tubes

RN Series continued overleaf > > > >

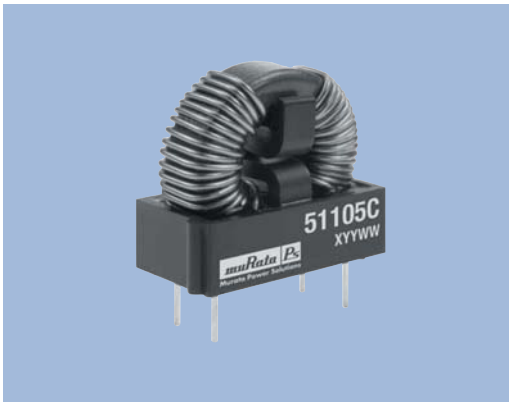
+44 (0)1945 47 47 47 www.anglia.com info@anglia.com 159

Type RN1 - Horizontal package

Nominal Current @ 40°C (Aac)	Inductance (mH/path)	DC Resistance (mΩ/path)	Order Code
RN102			
0.3	12	1275	*RN102-0.3/02*
0.6	4.4	385	*RN102-0.6/02*
1.0	3.0	205	*RN102-1/02*
1.5	1.6	100	*RN102-1.5/02*
2.0	1.1	70	*RN102-2/02*
RN112			
0.4	39	1460	*RN112-0.4/02*
0.5	27	1250	*RN112-0.5/02*
0.6	15	465	*RN112-0.6/02*
0.8	10	370	*RN112-0.8/02*
1.2	6.8	245	*RN112-1.2/02*
1.5	3.3	135	*RN112-1.5/02*
2.0	1.8	75	*RN112-2/02*
4.0	0.7	27	*RN112-4/02*
RN114			
0.3	47	1750	*RN114-0.3/02*
0.5	39	810	*RN114-0.5/02*
0.8	27	500	*RN114-0.8/02*
1.0	15	375	*RN114-1/02*
1.2	10	200	*RN114-1.2/02*
1.5	6.8	130	*RN114-1.5/02*
2.0	4.2	102	*RN114-2/02*
2.5	3.3	72	*RN114-2.5/02*
3.0	2.0	55	*RN114-3/02*
4.0	1.5	35	*RN114-4/02*
RN122			
0.6	47	1180	*RN122-0.6/02*
0.8	39	1000	*RN122-0.8/02*
1.0	18	610	*RN122-1/02*
1.5	10	220	*RN122-1.5/02*
2.0	6.8	147	*RN122-2/02*
2.5	5.6	105	*RN122-2.5/02*
3.0	4.5	80	*RN122-3/02*
4.0	3.3	45	*RN122-4/02*
RN142			
0.5	82	2700	*RN142-0.5/02*
1.0	33	810	*RN142-1/02*
1.4	27	500	*RN142-1.4/02*
2.0	6.8	190	*RN142-2/02*
4.0	3.3	66	*RN142-4/02*
6.0	1.8	20	*RN142-6/02*
RN143			
0.5	100	2900	*RN143-0.5/02*
1.0	47	880	*RN143-1/02*
2.0	10	230	*RN143-2/02*
4.0	3.9	58	*RN143-4/02*
6.0	1.8	20	*RN143-6/02*
RN152			
1.0	68	1300	*RN152-1/02*
2.0	18	350	*RN152-2/02*
4.0	6.8	87	*RN152-4/02*
6.0	3.9	41	*RN152-6/02*
8.0	2.7	22	*RN152-8/02*
10	1.8	14	*RN152-10/02*

Type RN2 - Vertical package

Nominal Current @ 40°C (Aac)	Inductance (mH/path)	DC Resistance (mΩ/path)	Order Code
RN202			
0.3	12	1275	*RN202-0.3/02*
0.6	4.4	385	*RN202-0.6/02*
1.0	3.0	205	*RN202-1/02*
1.5	1.6	100	*RN202-1.5/02*
2.0	1.1	70	*RN202-2/02*
RN212			
0.4	39	1460	*RN212-0.4/02*
0.5	27	1250	*RN212-0.5/02*
0.6	15	465	*RN212-0.6/02*
0.8	10	370	*RN212-0.8/02*
1.2	6.8	245	*RN212-1.2/02*
1.5	3.3	135	*RN212-1.5/02*
2.0	1.8	75	*RN212-2/02*
4.0	0.7	27	*RN212-4/02*
RN214			
0.3	47	1750	*RN214-0.3/02*
0.5	39	810	*RN214-0.5/02*
0.8	27	500	*RN214-0.8/02*
1.0	15	375	*RN214-1/02*
1.2	10	200	*RN214-1.2/02*
1.5	6.8	130	*RN214-1.5/02*
2.0	4.2	102	*RN214-2/02*
2.5	3.3	72	*RN214-2.5/02*
3.0	2.0	55	*RN214-3/02*
4.0	1.5	35	*RN214-4/02*
RN222			
0.6	47	1180	*RN222-0.6/02*
0.8	39	1000	*RN222-0.8/02*
1.0	18	610	*RN222-1/02*
1.5	10	220	*RN222-1.5/02*
2.0	6.8	147	*RN222-2/02*
2.5	5.6	105	*RN222-2.5/02*
3.0	4.5	80	*RN222-3/02*
4.0	3.3	45	*RN222-4/02*
RN242			
0.5	82	2700	*RN242-0.5/02*
1.0	33	810	*RN242-1/02*
1.4	27	500	*RN242-1.4/02*
2.0	6.8	190	*RN242-2/02*
4.0	3.3	66	*RN242-4/02*
6.0	1.8	20	*RN242-6/02*

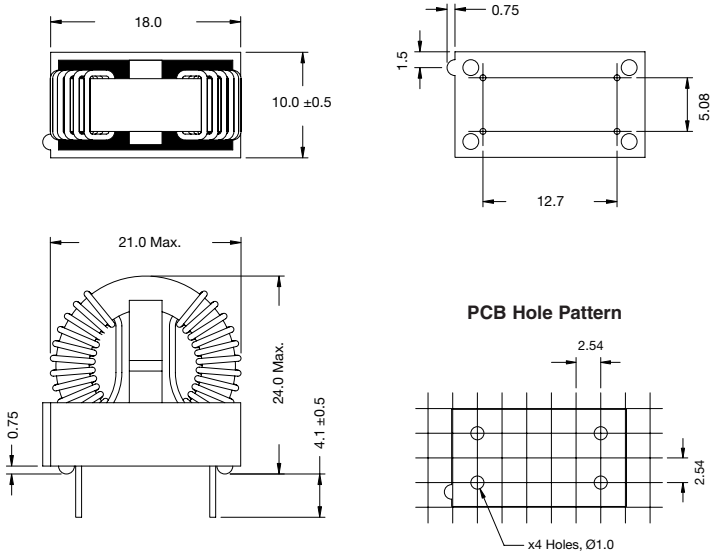


MURATA PS type 5100

A range of common-mode chokes designed to attenuate up to 100MHz common-mode noise where line filtering is required, such as high current switching power supplies and telecom applications. Supplied loose.

- Rated current **1.2A to 4.1A**
- Inductance values from **0.5mH to 5mH**
- **Toroidal construction**
- Low DC resistance
- Supplied loose

Dimensions (mm)

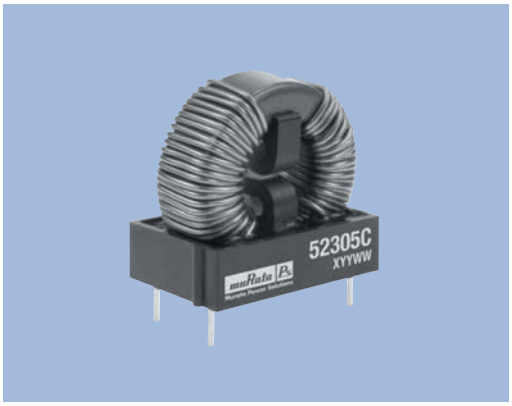


Specification	5100
Isolation voltage	1500Vrms
Operating temperature range	-40°C to +125°C

Packaging	
Box	Loose

ORDER CODES

DC Current max. (A)	Inductance Value nom. (mH)	Inductance range (mH)	Leakage Inductance max. (µH)	DC Resistance max. (mΩ)	Order Code
4.1	0.5	0.37 - 0.68	9	27	***51504C***
3.3	1.0	0.75 - 1.39	18	38	***51105C***
1.9	3.0	2.16 - 4.02	45	97	***51305C***
1.2	5.0	3.62 - 6.73	75	197	***51505C***

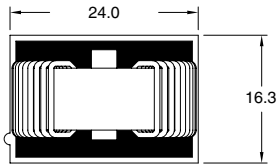


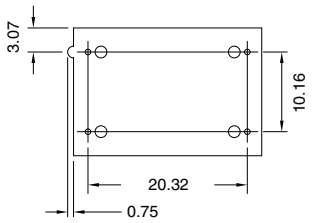
MURATA PS type 5200

A range of common-mode chokes designed to attenuate up to 100MHz common-mode noise where line filtering is required, such as high current switching power supplies and telecom applications. Supplied loose.

- Rated current **1.7A to 3.5A**
- Inductance values from **3mH to 10mH**
- **Toroidal construction**
- Low DC resistance
- Supplied loose

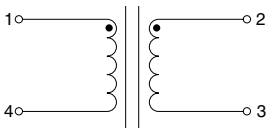
Dimensions (mm)

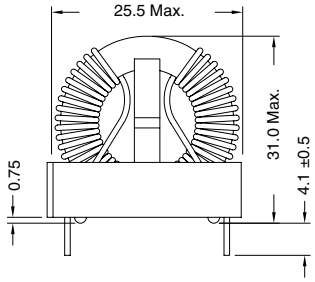


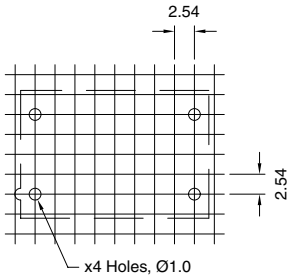


PCB Hole Pattern

Schematic





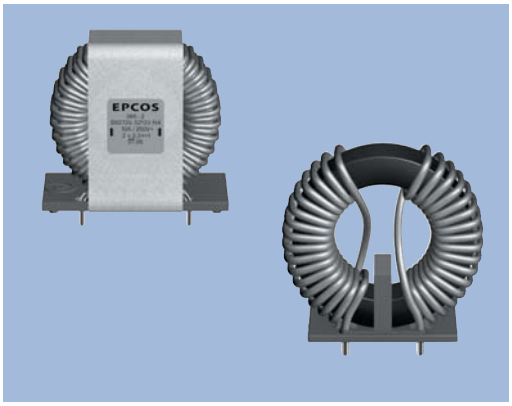


Specification	5200
Isolation voltage	1500Vrms
Operating temperature range	-40°C to +125°C

Packaging	
Box	Loose

ORDER CODES

DC Current max. (A)	Inductance Value nom. (mH)	Inductance range (mH)	Leakage Inductance max. (µH)	DC Resistance max. (mΩ)	Order Code
3.5	3.0	2.24 - 4.0	40	45	***52305C***
2.4	5.0	3.6 - 6.6	75	91	***52505C***
2.2	7.0	4.9 - 9.0	90	107	***52705C***
1.7	10	6.9 - 12.8	130	193	***52106C***



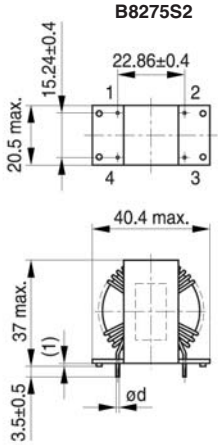
EPCOS types B82725S2 & B82726S2

A range of current compensated chokes used for suppression of common-mode interferences with approximately 1% stray inductance for symmetrical interference suppression. Supplied loose.

- Rated current **6A to 16A**
- Inductance values from **1.4mH to 7.8mH**
- Switch-mode applications
- **Ferrite ring core**
- Current compensated
- Supplied loose

Dimensions (mm)

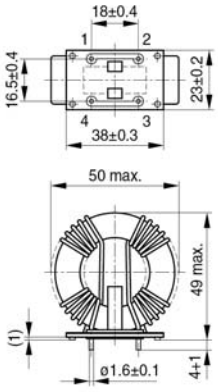
B8275S2



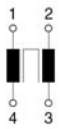
Schematic

Wire ød ±0.1mm	Order Code
1.0	B82725S2602N41
1.0	B82725S2602N2
1.32	B82725S2103N4
1.32	B82725S2103N3

B8276S2



Schematic



Specification	B8272xS2
Inductance tolerance	±30%, 20°C
Rated voltage	250Vac (50/60Hz)
Test Voltage	1500Vac, 2 secs. (line/line)
Rated temperature	60°C

Packaging	
Box	Loose

Type B82725S2

ORDER CODES

Rated Current (A)	Inductance Value (mH)	Stray Inductance typ. (µH)	DC Resistance typ. (mΩ)	Order Code
6.0	7.8	35	24	*B82725S2602N41*
6.0	3.9	33	24	*B82725S2602N2*
10	3.3	35	13.5	*B82725S2103N4*
10	2.8	30	12.5	*B82725S2103N3*

Type B82726S2

ORDER CODES

Rated Current (A)	Inductance Value (mH)	Stray Inductance typ. (µH)	DC Resistance typ. (mΩ)	Order Code
16	1.4	21	7.1	*B82726S2163N2*
16	2.2	24	7.1	*B82726S2163N30*

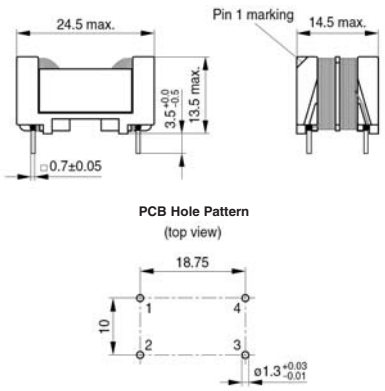
EPCOS types B82732F & B82733F

A range of frame core double chokes which offer excellent differential-mode suppression. Supplied in trays.

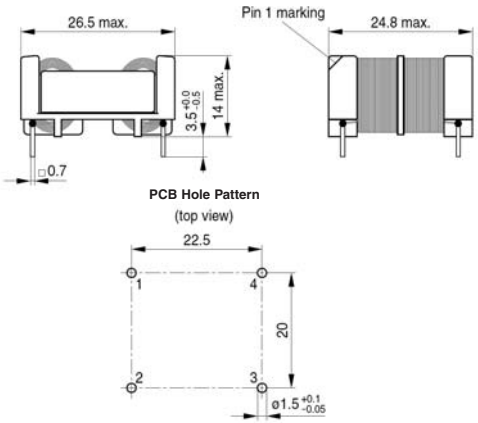
- Rated current **0.45A to 2.3A**
- Inductance values from **10mH to 100mH**
- Excellent differential-mode suppression
- UL & VDE approvals
- **Closed magnetic circuit with frame core construction**
- Current compensated
- High inductance with low resistance
- Supplied in trays

Dimensions (mm)

B82732F



B82733F



Specification	B8273xF
Inductance tolerance	-30%/+50%, 20°C
Rated voltage	250Vac (50/60Hz)
Test voltage	1500Vac, 2 secs. (line/line)
Rated temperature	40°C

Packaging	
Box	Trays

Type B82732F

ORDER CODES				
Rated Current (A)	Inductance Value (mH)	Inductance Stray typ. (µH)	DC Resistance typ. (mΩ)	Order Code
0.45	100	1930	2930	*B82732F2451B1*
0.6	68	1340	1970	*B82732F2601B1*
0.7	47	920	1260	*B82732F2701B1*
0.8	39	760	1100	*B82732F2801B1*
0.9	27	520	770	*B82732F2901B1*
1.3	15	290	430	*B82732F2132B1*
1.6	10	200	290	*B82732F2162B1*

Type B82733F

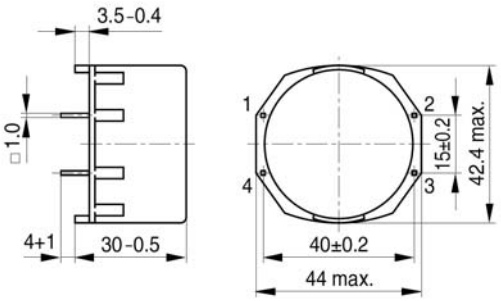
ORDER CODES				
Rated Current (A)	Inductance Value (mH)	Inductance Stray typ. (µH)	DC Resistance typ. (mΩ)	Order Code
0.7	100	2100	1810	*B82733F2701B1*
0.9	68	1440	1100	*B82733F2901B1*
1.1	47	970	804	*B82733F2112B1*
1.2	39	800	696	*B82733F2122B1*
1.4	27	530	440	*B82733F2142B1*
1.9	15	310	279	*B82733F2192B1*
2.3	10	200	188	*B82733F2232B1*

EPCOS type B82615

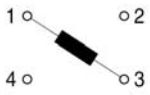
A range of ring core single chokes, constructed with an iron powder core, featuring high suppression of differential mode interferences at low frequencies. Supplied in trays.

- Rated current **1A to 6A**
- Inductance values from **0.7mH to 20mH**
- Wide variety of applications
- **Iron powder ring core**
- Suppression of differential-mode interferences
- Supplied in trays

Dimensions (mm)



Schematic



Specification	B82615
Rated voltage	250Vac (50/60Hz) /350Vdc
Rated temperature	40°C

Packaging	
Box	Trays

ORDER CODES

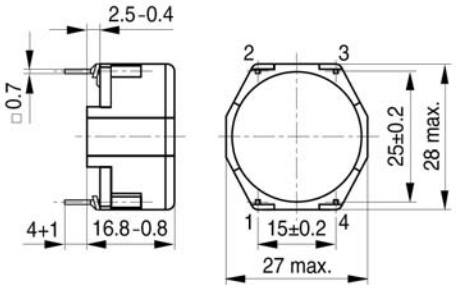
Rated Current (A)	Inductance Value (mH)	Inductance tolerance @20°C	Inductance at Rated Current typ. (mH)	DC Resistance typ. (Ω)	Order Code
1.0	20	20%	11	3.0	***B82615B2102M1***
2.0	5.0	20%	2.3	0.9	***B82615B2202M1***
3.0	2.5	20%	1.3	0.4	***B82615B2302M1***
4.0	1.5	20%	0.76	0.22	***B82615B2402M1***
5.0	1.0	20%	0.41	0.15	***B82615B2502M1***
6.0	0.7	20%	0.28	0.10	***B82615B2602M1***

EPCOS type B82623

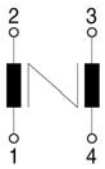
A range of ring core single chokes constructed with an iron powder core. Provide effective suppression of differential-mode interferences at higher frequencies, with approximately 50% of rated inductance for common-mode suppression. Supplied in trays.

- Rated current **0.3A to 3A**
- Inductance values from **0.033mH to 1.2mH**
- Wide variety of applications
- UL & VDE approvals
- **Iron powder ring core**
- Suppression of differential-mode & common-mode interferences
- Supplied in trays

Dimensions (mm)



Schematic



Specification	B82623
Rated voltage	250Vac (50/60Hz) /350Vdc
Test voltage	1500Vac, 2 secs. (winding/winding)
Rated temperature	60°C

Packaging	
Box	Trays

ORDER CODES

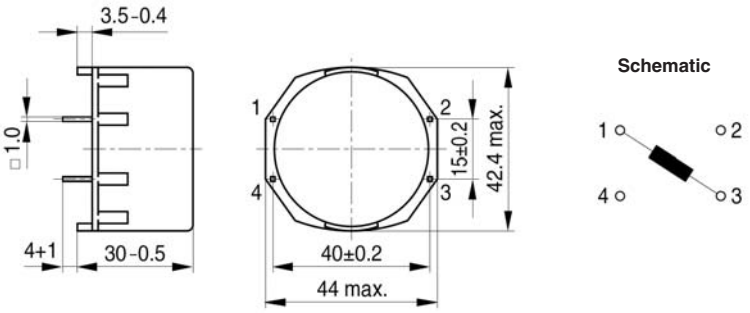
Rated Current (A)	Inductance Value (mH)	Inductance Tolerance @20°C	Inductance at Rated Current typ. (mH)	DC Resistance typ. (Ω)	Order Code
0.3	1.2	20%	1.05	1.9	***B82623G1A3***
0.5	1.0	20%	0.75	1.1	***B82623G1A5***
1.0	0.33	20%	0.25	0.4	***B82623G1A8***
2.0	0.082	20%	0.062	0.1	***B82623G1A10***
3.0	0.033	20%	0.025	0.045	***B82623G1A11***

EPCOS type B82625

A range of ring core single chokes constructed with an iron powder core. Provide effective suppression of differential-mode interferences at low frequencies, with approximately 50% of rated inductance for common-mode suppression. Supplied in trays.

- Rated current **1A to 5A**
- Inductance values from **0.25mH to 5mH**
- Wide variety of applications
- VDE approval
- **Iron powder ring core**
- Suppression of differential mode & common-mode interferences
- Supplied in trays

Dimensions (mm)

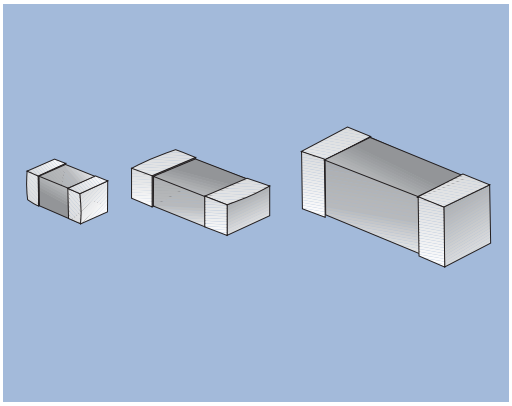


Specification	B82625
Rated voltage	250Vac (50/60Hz) /350Vdc
Test voltage	1500Vac, 2 secs. (winding/winding)
Rated temperature	40°C

Packaging	
Box	Trays

ORDER CODES

Rated Current (A)	Inductance Value (mH)	Inductance Tolerance @20°C	Inductance at Rated Current typ. (mH)	DC Resistance typ. (Ω)	Order Code
1.0	5.0	20%	2.92	1.45	***B82625B2102M1***
2.0	1.2	20%	0.67	0.42	***B82625B2202M1***
3.0	0.7	20%	0.37	0.21	***B82625B2302M1***
4.0	0.4	20%	0.25	0.12	***B82625B2402M1***
5.0	0.25	20%	0.15	0.072	***B82625B2502M1***



MURATA type BLM Series

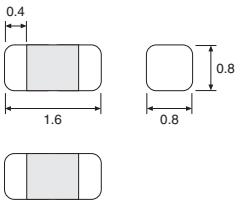
EMIFIL®

A range of surface mount, ferrite bead inductors available in four different chip sizes. Exhibit a high impedance which at high frequencies mainly consists of a resistance element. The range comprises of the type A (general), type B (high frequency), and type P (high current). Supplied taped and reeled.

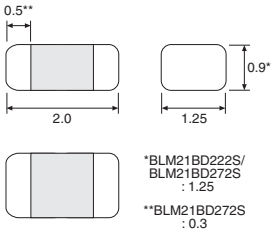
- Rated up to **6A**
- **0603**, **0805**, **1206** and **1806** chip sizes
- Choice of general, high frequency and high current types
- Nickel barrier terminations
- Suitable for wave & reflow soldering
- Supplied taped & reeled

Dimensions (mm)

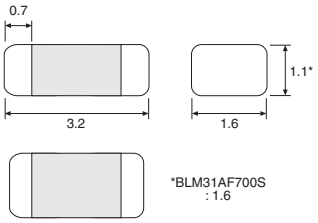
BLM18 (0603)



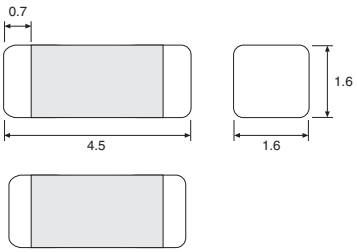
BLM21 (0805)



BLM31 (1206)



BLM41 (1806)



Specification	BLM
Operating temperature range	-55°C to +125°C

Packaging	
Tape	8mm wide (BLM41 12mm wide), 4mm pitch
Reel	178mm dia.

TYPE DESIGNATION

A – *general use types, exhibit impedance down to relatively low frequency.*

B – *high frequency types, minimise attenuation of signal waveform due to their sharp impedance characteristic.*

P – *high current types, offer low dc resistance.*

0603 size, type BLM18

ORDER CODES

Type	Typ. Impedance at 100MHz (Ω)	Rated Current (mA)	Maximum Signal Frequency (MHz)	Max. DC Resistance (Ω)	Order Code
P	30	1000	-	0.05	*BLM18PG300SN1D*
P	60	500	-	0.10	*BLM18PG600SN1D*
A	120	200	-	0.20	*BLM18AG121SN1D*
A	220	200	-	0.30	*BLM18AG221SN1D*
A	600	200	-	0.50	*BLM18AG601SN1D*
A	1000	100	-	0.70	*BLM18AG102SN1D*
B	75	200	100	0.35	*BLM18BB750SN1D*
B	140	200	50	0.55	*BLM18BB141SN1D*
B	420	200	20	0.55	*BLM18BD421SN1D*
B	600	200	20	0.65	*BLM18BD601SN1D*
B	1000	100	10	0.85	*BLM18BD102SN1D*
B	1800	50	5	1.50	*BLM18BD182SN1D*

0805 size, type BLM21

ORDER CODES

Type	Typ. Impedance at 100MHz (Ω)	Rated Current (mA)	Maximum Signal Frequency (MHz)	Max. DC Resistance (Ω)	Order Code
P	30	3000	-	0.015	*BLM21PG300SN1D**
P	220	2000	-	0.05	*BLM21PG221SN1D**
A	120	200	-	0.15	*BLM21AG121SN1D*
A	120	200	-	0.40	*BLM21AF121SN1D*
A	400	200	-	0.85	*BLM21AJ401SN1D*
A	600	200	-	0.30	*BLM21AG601SN1D*
A	600	200	-	1.10	*BLM21AJ601SN1D*
A	1000	200	-	0.45	*BLM21AG102SN1D*
A	1000	200	-	0.45	*BLM21AH102SN1D*
B	5	500	-	0.07	*BLM21BB050SN1D*
B	75	200	100	0.25	*BLM21BB750SN1D*
B	200	200	50	0.35	*BLM21BB201SN1D*
B	420	200	20	0.30	*BLM21BD421SN1D*
B	600	200	20	0.35	*BLM21BD601SN1D*
B	750	200	20	0.40	*BLM21BD751CN1D*
B	1000	200	10	0.40	*BLM21BD102SN1D*
B	2250	200	5	0.60	*BLM21BD222SN1L*
B	2700	200	5	0.80	*BLM21BD272SN1L*

1206 size, type BLM31

ORDER CODES

Type	Typ. Impedance at 100MHz (Ω)	Rated Current (mA)	Max. DC Resistance (Ω)	Order Code
P	50	3000	0.025	*BLM31PG500SN1L**
P	120	3000	0.025	*BLM31PG121SN1L**
P	600	1500	0.09	*BLM31PG601SN1L**
A	26	500	0.05	*BLM31AJ260SN1L*
A	70	200	0.15	*BLM31AF700SN1L*
A	600	200	0.90	*BLM31AJ601SN1L*
B	600	200	0.09	*BLM31BE601SN1L*
B	600	300	0.35	*BLM31BE601FN1L*

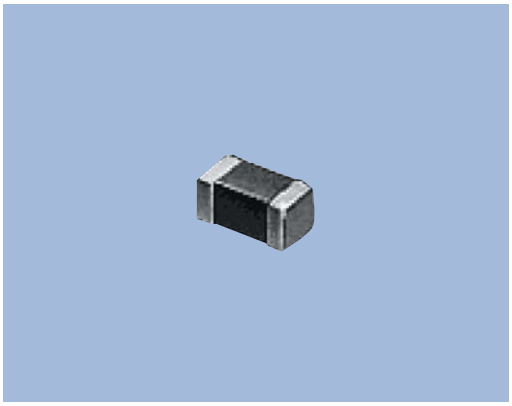
1806 size type BLM41

ORDER CODES

Type	Typ. Impedance at 100MHz (Ω)	Rated Current (mA)	Max. DC Resistance (Ω)	Order Code
P	60	6000	0.01	*BLM41PG600SN1L**
P	75	3000	0.025	*BLM41PG750SN1L**
P	80	1000	0.10	*BLM41PF800SN1L*
P	1000	1500	0.09	*BLM41PG102SN1L**
A	80	500	0.10	*BLM41AF800SN1L*
A	150	200	0.50	*BLM41AF151SN1L*

* derating required above 85°C

TYPE DESIGNATION : **A** = general, **B** = high frequency, **P** = high current



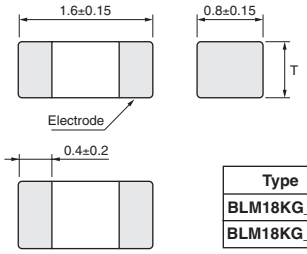
MURATA type BLM18K

EMIFIL®

A range of ferrite beads designed for use in power supply noise suppression applications where high currents are experienced. Demand for high current type ferrite beads is expanding, especially for digital A/V equipment, PCs, notebook PCs, HDDs, optical disk drives, etc.
It is also suitable for use in car navigation and audio systems. Supplied taped and reeled.

- High current up to **6A**
- Chip size **0603**
- Nickel barrier terminations
- Supplied taped & reeled

Dimensions (mm)



Type	T
BLM18KG_TN	0.6 ±0.15
BLM18KG_SN	0.8 ±0.15

Schematic

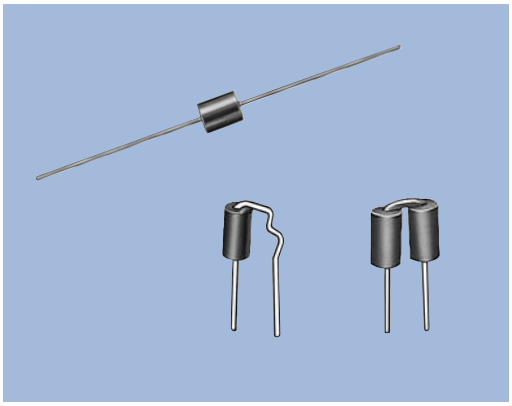
(Resistance element becomes dominant at high frequencies.)

Specification	BLM18K
Impedance	Measured at 20°C
Tolerance	±25%
Operating temperature range	-55°C to +125°C

Packaging	
Tape	8mm wide, 4mm pitch
Reel	178mm dia.

ORDER CODES

Impedance at 100MHz (Ω)	Rated Current (A)	Max. DC Resistance (Ω)	Order Code
26	6.0	0.007	***BLM18KG260TN1D***
70	3.5	0.022	***BLM18KG700TN1D***
120	3.0	0.030	***BLM18KG121TN1D***
220	2.2	0.050	***BLM18KG221SN1D***
330	1.7	0.080	***BLM18KG331SN1D***
470	1.5	0.130	***BLM18KG471SN1D***
600	1.3	0.150	***BLM18KG601SN1D***



MURATA type BL

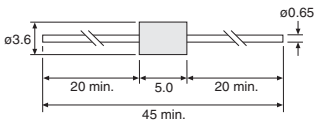
EMIFIL®

A range of ferrite bead inductors available with axial or radial lead forms. The radial type is also available with either a single or double bead to provide more effective suppression. Suitable for use in high frequency suppression applications e.g. for damping of ringing/overshoot. Supplied loose with the option of taped product.

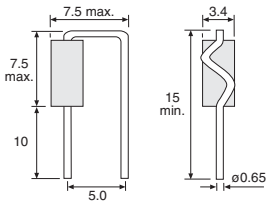
- Choice of **axial** or **radial**
- Radial type available with double bead for more effective suppression
- Supplied loose
- Option of taped product

Dimensions (mm)

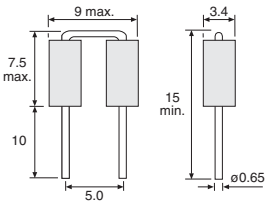
BL01RN1A1D2B



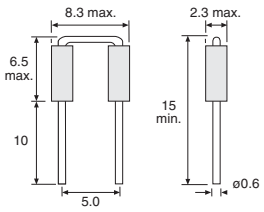
BL02RN1R2M2B



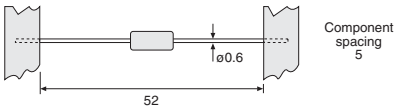
BL02RN2R1M2B



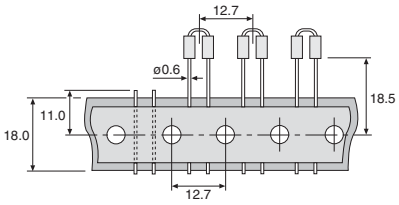
BL03RN2R1M1B



BL01RN1A1F1J (reeled)



BL02RN2R1P1A / BL03RN2R1P1A (boxed)



Specification	BL
Voltage drop	30mV max.
Insulation resistance	100MΩ min.
Operating temperature range	-25°C to +85°C

Packaging		
Tape		
	Axial	52mm wide, 5mm pitch
	Radial	18mm wide, 12.7mm pitch

ORDER CODES

Bead Form	Effective Frequency Range (Z=50Ω)	Current Rating (A)	Order Code Loose	Order Code Taped
AXIAL				
Single	20MHz to 1000MHz	7*	***BL01RN1A1D2B***	***BL01RN1A1F1J***
RADIAL				
Single	20MHz to 1000MHz	7	***BL02RN1R2M2B***	–
Double	4MHz to 1000MHz	7*	***BL02RN2R1M2B***	***BL02RN2R1P1A***
Double	12MHz to 1000MHz	6	***BL03RN2R1M1B***	***BL03RN2R1P1A***

* 6A for taped part