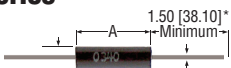


**LVR-1, LVR-3, and LVR-5 Series Wirewound Resistors**



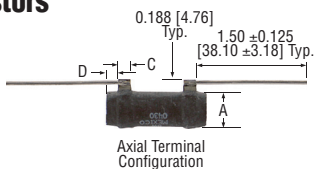
- ▶ Ideal for All Types of Current Sensing Applications Including Switching and Linear Power Supplies, Instruments and Power Amplifiers
- ▶ Proprietary Processing Technique Produces Extremely Low Resistance Values
- ▶ Excellent Load Life Stability
- ▶ Low Temperature Coefficient
- ▶ Low Inductance
- ▶ Cooler Operation for High Power to Size Ratio
- ▶ Tolerance: 1%

**Dimensions — In. (mm)**

Model	A ±0.010 (0.254)	B ±0.010 (0.254)	C ±0.002 (0.051)
LVR-1	0.427 (10.85)	0.115 (2.92)	0.020 (0.508)
LVR-3	0.560 (14.22)	0.205 (5.21)	0.032 (0.813)
LVR-5	0.925 (23.50)	0.330 (8.38)	0.040 (1.020)

Stock No.	Mfr.'s Type	Watts	Ohms	EACH	
				1-49	50-99
70201959	LVR01R0500FE12	1	0.050	.95	.88
70201425	LVR01R1000FE12	1	0.100	.85	.78
70202040	LVR03S1000FE12	3	0.005	1.16	1.07
70201427	LVR03R0100FE12	3	0.010	1.02	.94
70201963	LVR03R0250FE12	3	0.025	1.02	.94
70201960	LVR03R0400FE12	3	0.040	1.02	.94
70201428	LVR03R0500FE12	3	0.050	1.02	.94
70201429	LVR03R1000FE12	3	0.100	1.00	.93
70201962	LVR03R1500FE12	3	0.150	1.00	.93
70201595	LVR05S1000FE12	5	0.005	2.49	2.29
70201596	LVR05R0100FE12	5	0.010	1.31	1.02
70201966	LVR05R0200FE12	5	0.020	1.31	1.02
70201831	LVR05R0500FE12	5	0.050	1.31	1.02
70201430	LVR05R1000FE12	5	0.100	1.12	1.03

**HLW Series Tubular Axial Lead Wirewound Resistors**



- ▶ High Temperature Silicon Coating
- ▶ Complete Welded Construction
- ▶ High Thermal Capacity for Intermittent or Short Duration
- ▶ Available in Non-Inductive Styles (Model NHLW) with Aryton-Perry Winding for Lowest Reactive Components
- ▶ Axial or Radial Terminals for Through Hole or Lead Weld Applications
- ▶ Excellent Stability in Operation

**Dimensions — In. (mm)**

Model	A (max.)	B Typ.	C ±0.031 (0.79)	D Typ.	Core Dim.		
					Length ±0.063 (1.59)	OD	ID ±0.031 (0.79)
HLW-12	0.406 (10.32)	1.438 (36.53)	0.125 (3.18)	0.094 (2.38)	1.750 (44.45)	0.313 (7.94)	0.188 (4.76)
HLW-20	0.563 (14.29)	1.688 (42.88)	0.125 (3.18)	0.094 (2.38)	2.000 (50.80)	0.438 (11.11)	0.313 (7.94)

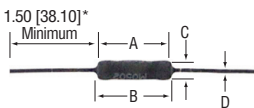
**HLW-12, 12 Watt**

Stock No.	Mfr.'s Type	Ohms	Tol. (%)	EACH		
				1-49	50-99	100-249
70201873	HLW12A1ESR000JE	5	5	2.14	1.88	1.67
70201878	HLW12A1E1K000JE	1K	5	1.69	1.59	1.49

**HLW-20, 20 Watt**

Stock No.	Mfr.'s Type	Watts	Ohms	EACH		
				1-49	50-99	100-249
70201967	HLW20A1ER1000KE	0.1	10	1.96	1.84	1.75
70201879	HLW20A1E1R000JE	1	1	1.96	1.84	1.75
70201880	HLW20A1ESR000JE	5	5	1.96	1.84	1.75
70201999	HLW20A1E1R000JE	10	10	1.96	1.84	1.75
70201968	HLW20A1ESR000JE	50	50	1.96	1.84	1.75
70201828	HLW20A1ESK000JE	5K	5K	1.96	1.84	1.75
70201872	HLW20A1E1K000JE	10K	10K	1.96	1.84	1.75
70201805	HLW20A1E20K00JE	20K	20K	2.32	2.14	1.98

**CW Series Silicone-Coated Axial Lead Wirewound Resistors**



- ▶ High Performance for Low Cost
- ▶ High Temperature Silicone Coating
- ▶ Complete Welded Construction
- ▶ Excellent Stability in Operation
- ▶ High Power to Size Ratio
- ▶ Tolerance: 5%

**1 Watt**

Stock No.	Mfr.'s Type	Ohms	EACH		
			1-24	25-99	100-499
70201317	CW001R5000JE12	0.50	1.01	.88	.83
70201318	CW00110R00JE12	10	.70	.61	.58
70201714	CW00140R00JE12	40	.79	.61	.55
70204718	CW001270R0JE12	270	.54	.49	.43
70201610	CW001390R0JE12	390	.79	.61	.55
70204736	CW001510R0JE12	500	.54	.49	.43
70201603	CW001820R0JE12	820	.79	.61	.55
70204712	CW0011K600JE12	1.6K	.93	.84	.75
70204720	CW0012K200JE12	2.2K	.93	.84	.75

**3 Watt**

Stock No.	Mfr.'s Type	Ohms	EACH		
			1-24	25-99	100-499
70201874	CW02BR1000KE12	0.10	.90	.81	.74
70201874	CW02BR2700JE12	0.27	1.03	.91	.82
70201328	CW02BR3300JE12	0.33	.77	.62	.56
70201728	CW02BR4700JE12	0.47	.89	.82	.75
70201348	CW02BR5000JE12	0.50	.87	.74	.66
70201349	CW02BR1R00JE12	1.00	.57	.54	.49
70201350	CW02BR1R50JE12	1.50	.77	.72	.60
70201726	CW02BR2R70JE12	2.70	.77	.72	.60
70201363	CW02BR3R00JE12	3.00	.77	.72	.60
70201366	CW02BR5R00JE12	5.00	.77	.72	.60
70201352	CW02B10R00JE12	10.00	.57	.54	.49
70201701	CW02B30R00JE12	30.00	.77	.72	.60
70201727	CW02B40R00JE12	40.00	.77	.72	.60
70201729	CW02B50R00JE12	50.00	.57	.54	.49
70201353	CW02B100R0JE12	100.00	.57	.54	.49
70201658	CW02B120R0JE12	120.00	.77	.72	.60
70201599	CW02B150R0JE12	150.00	.77	.72	.60
70201357	CW02B180R0JE12	180.00	.77	.72	.60
70201360	CW02B200R0JE12	200.00	.57	.54	.49
70201612	CW02B220R0JE12	220.00	.77	.72	.60
70201613	CW02B250R0JE12	250.00	.77	.72	.60
70201711	CW02B270R0JE12	270.00	.77	.72	.60
70201729	CW02B330R0JE12	330.00	.77	.72	.60
70201696	CW02B350R0JE12	350.00	.77	.72	.60
70201668	CW02B400R0JE12	400.00	.57	.54	.49
70201414	CW02B470R0JE12	470.00	.63	.54	.52
70201367	CW02B500R0JE12	500.00	.77	.72	.60
70201461	CW02B600R0JE12	600.00	.77	.72	.60
70201369	CW02B680R0JE12	680.00	.88	.82	.69
70201463	CW02B700R0JE12	700.00	.77	.72	.60
70201358	CW02B1K000JE12	1.0K	.57	.54	.49
70201351	CW02B1K500JE12	1.5K	.68	.59	.54
70201362	CW02B2K000JE12	2.0K	.77	.60	.54
70201646	CW02B2K200JE12	2.2K	.80	.71	.65
70201647	CW02B2K500JE12	2.5K	.80	.71	.65
70201359	CW02B2K700JE12	2.7K	.80	.71	.65
70201426	CW02B3K500JE12	3.5K	.89	.82	.74
70201613	CW02B4K700JE12	4.7K	.89	.82	.74
70201368	CW02B5K000JE12	5.0K	.89	.82	.74
70201679	CW02B6K800JE12	6.8K	.76	.69	.63
70201370	CW02B8K200JE12	8.2K	.89	.82	.74
70201354	CW02B10K00JE12	10K	.63	.58	.56
70201356	CW02B15K00JE12	15K	.75	.63	.61

**5 Watt**

Stock No.	Mfr.'s Type	Ohms	EACH		
			1-49	50-99	100-249
70201719	CW005R1500JE12	0.15	.99	.94	.89
70201372	CW005R3300JE12	0.33	.99	.94	.89
70201373	CW005R5000JE12	0.50	.99	.94	.89
70201374	CW0051R000JE12	1.00	.64	.58	.56
70201465	CW0051R500JE12	1.50	.68	.63	.61
70201386	CW0052R000JE12	2.00	.68	.63	.61
70201355	CW0053R000JE12	3.00	.68	.63	.61
70201393	CW0053R300JE12	3.30	.68	.63	.61
70201405	CW0055R000JE12	5.00	.68	.63	.61
70201466	CW0055R600JE12	5.6	.76	.68	.62
70201437	CW0056R800JE12	6.8	.68	.63	.61
70201711	CW0057R500JE12	7.5	.79	.76	.68
70201376	CW00510R00JE12	10	.63	.55	.49
70201380	CW00512R00JE12	12	.68	.63	.61
70201735	CW00518R00JE12	18	.68	.63	.61
70201376	CW00520R00JE12	20	.68	.63	.61
70201635	CW00522R00JE12	22	.68	.63	.61
70201391	CW00525R00JE12	25	.65	.61	.51
70201680	CW00527R00JE12	27	.79	.74	.62
70201718	CW00530R00JE12	30	.68	.63	.61
70201607	CW00540R00JE12	40	.68	.63	.61
70201403	CW00547R00JE12	47	.65	.61	.57
70201407	CW00550R00JE12	50	.68	.63	.61

**Dimensions — In. (mm)**

Model	A	B (max.)	C	D
CW-1	0.406 ±0.031 (10.31 ±0.787)	0.437 (11.10)	0.094 ±0.031 (2.39 ±0.787)	0.020 ±0.002 (0.508 ±0.051)
CW-2B	0.562 ±0.062 (14.27 ±1.57)	0.622 (15.80)	0.188 ±0.032 (4.78 ±0.813)	0.032 ±0.002 (0.813 ±0.051)
CW-5	0.875 ±0.062 (22.22 ±1.57)	1.0 (25.40)	0.312 ±0.032 (7.92 ±0.813)	0.040 ±0.002 (1.02 ±0.051)
CW-10	1.781 ±0.062 (45.24 ±1.57)	1.875 (47.62)	0.375 ±0.032 (9.52 ±0.813)	0.040 ±0.002 (1.02 ±0.051)

**5 Watt (Continued)**

Stock No.	Mfr.'s Type	Ohms	EACH		
			1-49	50-99	100-249
70201571	CW00568R00JE12	68	.68	.63	.61
70201705	CW00575R00JE12	75	.68	.63	.61
70201413	CW00582R00JE12	82	.65	.61	.51
70201377	CW005100R0JE12	100	.64	.58	.56
70201382	CW005125R0JE12	125	.68	.63	.61
70201381	CW005120R0JE12	120	.68	.63	.61
70201614	CW005150R0JE12	150	.72	.67	.56
70201389	CW005200R0JE12	200	.68	.63	.61
70201390	CW005220R0JE12	220	.63	.57	.55
70201392	CW005250R0JE12	250	.65	.61	.51
70201689	CW005270R0JE12	270	.68	.63	.60
70201395	CW005300R0JE12	300	.68	.63	.61
70201723	CW005330R0JE12	330	.63	.58	.56
70201398	CW005390R0JE12	390	1.05	.9	