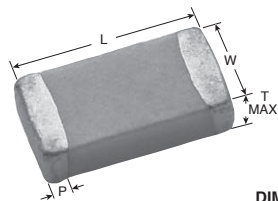


VISHAY/VITRAMON SMD MLCC

EIA Code	Style	Length (L)	Width (W)	Maximum Thickness (T)	Terminations Pad (P)	
					Minimum	Maximum
0402	VJ0402	0.040±0.004/-0.002 (1.00±0.10/-0.05)	0.020±0.004/-0.002 (0.50±0.10/-0.005)	0.024 (0.60)	0.004 (0.10)	0.016 (0.41)
0603	VJ0603	0.063±0.005 (1.60±0.12)	0.031±0.005 (0.80±0.12)	0.038 (0.97)	0.012 (0.30)	0.018 (0.46)
0808	VJ0805	0.079±0.008 (2.00±0.20)	0.049±0.008 (1.25±0.20)	0.057 (1.45)	0.010 (0.25)	0.028 (0.71)
1206	VJ1206	0.126±0.008 (3.20±0.25)	0.063±0.010 (1.60±0.25)	0.067 (1.70)	0.010 (0.25)	0.028 (0.71)
1210	VJ1210	0.126±0.010 (3.20±0.25)	0.098±0.010 (2.50±0.25)	0.076 (1.94)	0.010 (0.25)	0.028 (0.71)



DIMENSIONS: in. (mm)

VJ X8R SERIES HIGH TEMPERATURE CAPACITORS

- Features:**
- High temperature applications
 - High operating temperature dielectric up to +150°C
 - Maintains capacitance at high temperature for frequency stability
 - Wet build process

- Applications:**
- High temperature modules

For quantities greater than listed, call for quote.

MOUSER STOCK NO.	Vishay Part No.	Cap Value	Voltage	T.C.	Tol. (%)	Price Each			Reel Qty.	Price Per Piece
						1	100	1000		
Style 0402										
77-VJ0402H331KEBAO34	VJ0402H331KEBAO34	330pF	100	X8R	10%	.12	.092	.081	5000	.06
77-VJ0402H391KEBAO34	VJ0402H391KEBAO34	390pF	100	X8R	10%	.12	.092	.081	5000	.06
77-VJ0402H471KEBAO34	VJ0402H471KEBAO34	470pF	100	X8R	10%	.12	.092	.081	5000	.06
77-VJ0402H102KEBAO34	VJ0402H102KEBAO34	1nF	100	X8R	10%	.11	.086	.076	5000	.06
Style 0603										
77-VJ0603H102KEBAO34	VJ0603H102KEBAO34	1nF	100	X8R	10%	.15	.126	.105	4000	.09
77-VJ0603H332KEBAO34	VJ0603H332KEBAO34	3.3nF	100	X8R	10%	.15	.13	.108	4000	.09
Style 0805										
77-VJ0805H103KEBAO34	VJ0805H103KEBAO34	10nF	100	X8R	10%	.17	.147	.105	3000	.09
77-VJ0805H153KEBAO34	VJ0805H153KEBAO34	15nF	100	X8R	10%	.15	.137	.116	3000	.10
77-VJ0805H223KEBAE34	VJ0805H223KEBAE34	22nF	100	X8R	10%	.15	.137	.105	3000	.09

VJ SERIES AUTOMOTIVE GRADE CAPACITORS

- Features:**
- High operating temperature
 - Wet build process
 - Reliable Noble Metal Electrode (NME) system
 - Halogen-free according to IEC 61249-2-21 definition
- Applications:**
- Automotive "under the hood"
 - Safety and comfort electronics

Standard

For quantities greater than listed, call for quote.

MOUSER STOCK NO.	Vishay Part No.	Cap Value	Voltage	T.C.	Tol. (%)	Price Each			Reel Qty.	Price Per Piece
						1	100	500		
Style 0402										
77-VJ0402Y103KXJAC31	VJ0402Y103KXJAC31	0.01uF	16	X7R	10	.11	.065	.057	5000	.038
Style 0603										
77-VJ0603A100KXBAC31	VJ0603A100KXBAC31	10pF	100	C0G	10	.11	.065	.058	4000	.039
77-VJ0603A101KXBAC31	VJ0603A101KXBAC31	100pF	100	C0G	10	.12	.071	.062	4000	.042
77-VJ0603Y102KXAAC31	VJ0603Y102KXAAC31	1000pF	50	X7R	10	.10	.061	.054	4000	.036
77-VJ0603Y102KXBAC31	VJ0603Y102KXBAC31	1000pF	100	X7R	10	.10	.061	.054	4000	.036
77-VJ0603Y222KXBAC31	VJ0603Y222KXBAC31	2200pF	100	X7R	10	.10	.061	.054	4000	.036
77-VJ0603Y222KXCAC31	VJ0603Y222KXCAC31	2200pF	200	X7R	10	.10	.061	.054	4000	.036
77-VJ0603Y472KXBAC31	VJ0603Y472KXBAC31	4700pF	100	X7R	10	.11	.065	.058	4000	.039
77-VJ0603Y223KXAAC31	VJ0603Y223KXAAC31	.022uF	25	X7R	10	.14	.083	.074	4000	.049
77-VJ0603Y103KXAAC31	VJ0603Y103KXAAC31	.01uF	50	X7R	10	.12	.072	.063	4000	.042
77-VJ0603Y103MXBAC31	VJ0603Y103MXBAC31	.01uF	100	X7R	20	.15	.085	.075	4000	.05
Style 0805										
77-VJ0805A471KXBBC31	VJ0805A471KXBBC31	470pF	100	C0G	10	.15	.085	.075	3000	.057
77-VJ0805A102JXBBC31	VJ0805A102JXBBC31	1000pF	100	C0G	5	.17	.093	.083	3000	.062
77-VJ0805Y102KXABC31	VJ0805Y102KXABC31	1000pF	50	X7R	10	.13	.077	.068	3000	.05
77-VJ0805Y102KXBBC31	VJ0805Y102KXBBC31	1000pF	100	X7R	10	.13	.077	.068	3000	.05
77-VJ0805Y222KXBBC31	VJ0805Y222KXBBC31	2200pF	100	X7R	10	.14	.077	.068	3000	.052
77-VJ0805Y472KXBBC31	VJ0805Y472KXBBC31	4700pF	100	X7R	10	.29	.173	.124	3000	.049
77-VJ0805Y223KXBBC31	VJ0805Y223KXBBC31	.022uF	100	X7R	10	.18	.10	.088	3000	.067
77-VJ0805Y473KXABC31	VJ0805Y473KXABC31	.047uF	50	X7R	10	.20	.11	.097	3000	.073
77-VJ0805Y103KXBBC31	VJ0805Y103KXBBC31	.01uF	100	X7R	10	.14	.079	.07	3000	.053
77-VJ0805Y104KXABE31	VJ0805Y104KXABE31	.1uF	50	X7R	10	.27	.151	.138	3000	.098

Flexible Termination

For quantities greater than listed, call for quote.

Style 0805										
77-VJ0805A471KBBBC31	VJ0805A471KBBBC31	470pF	100	C0G	10	.10	.067	.059	3000	.046
77-VJ0805A102JBBBC31	VJ0805A102JBBBC31	1000pF	100	C0G	5	.10	.074	.065	3000	.051
77-VJ0805Y102KBABC31	VJ0805Y102KBABC31	1000pF	50	X7R	10	.10	.054	.047	3000	.037
77-VJ0805Y102KBBBC31	VJ0805Y102KBBBC31	1000pF	100	X7R	10	.10	.07	.06	3000	.05
77-VJ0805A152FBBC31	VJ0805A152FBBC31	1500pF	100	C0G	1	.64	.482	.424	3000	.331
77-VJ0805Y472KBBBC31	VJ0805Y472KBBBC31	4700pF	100	X7R	10	.14	.10	.08	3000	.054
77-VJ0805Y223KBBBC31	VJ0805Y223KBBBC31	.022uF	100	X7R	10	.11	.079	.069	3000	.054
77-VJ0805Y333KBABC31	VJ0805Y333KBABC31	.033uF	50	X7R	10	.12	.087	.076	3000	.06
77-VJ0805Y473KBABC31	VJ0805Y473KBABC31	.047uF	50	X7R	10	.12	.087	.076	3000	.06
77-VJ0805Y103KBBBC31	VJ0805Y103KBBBC31	.01uF	100	X7R	10	.15	.112	.10	3000	.087
77-VJ0805Y104KBABC31	VJ0805Y104KBABC31	.1uF	50	X7R	10	.18	.16	.14	3000	.11
Style 1206										
77-VJ1206A471KBEBE31	VJ1206A471KBEBE31	470pF	500	C0G	10	.12	.09	.08	3000	.059
77-VJ1206Y474KBXBE31	VJ1206Y474KBXBE31	.47uF	25	X7R	10	.38	.289	.254	3000	.198
77-VJ1206Y104KBBBE31	VJ1206Y104KBBBE31	.1uF	100	X7R	10	.21	.157	.138	3000	.108
Style 1210										
77-VJ1210Y474KBAAE31	VJ1210Y474KBAAE31	.47uF	50	X7R	10	.66	.493	.434	3000	.339
77-VJ1210Y104KBBAE31	VJ1210Y104KBBAE31	.1uF	100	X7R	10	.28	.25	.24	2500	.22

Vishay Ceramic Caps, SMD

DataSheet.Directory