

KEMET High Capacitance Ceramic Chip Capacitors

The Capacitance Company

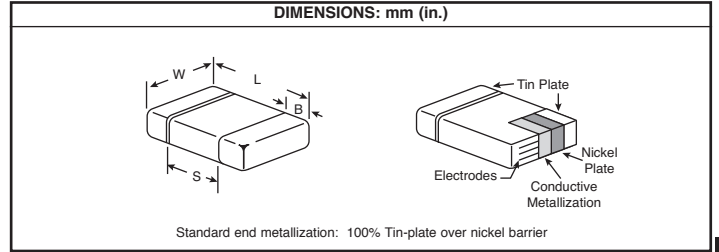


KEMET HICV MLCC

EIA Size Code	L (Length)	W (Width)	B (Bandwidth)	S Min. (Separation)
* 0402	1.0 (.04)	0.5 (.02)	0.20 (0.008)	0.3 (.012)
* 0603	1.6 (.063)	0.8 (.032)	0.35 (.014)	0.7 (.028)
* 0805	2.0 (.079)	1.25 (.049)	0.5 (.02)	0.75 (.030)
* 1206	3.2 (.126)	1.6 (.063)	0.5 (.02)	N/A
1210	3.2 (.126)	2.5 (.098)	0.5 (.02)	N/A
1812	4.5 (.177)	3.2 (.126)	0.6 (.024)	N/A
2220	5.6 (.220)	5.0 (.197)	0.6 (.024)	N/A

* Note: Indicates EIA preferred case sizes (tightened tolerances apply for 0402, 0603, and 0805 packaged in bulk cassette)

RoHS Compliant This product is RoHS compliant.



Standard end metallization: 100% Tin-plate over nickel barrier

EIA Case Size 0402

For quantities greater than listed, call for quote.

MOUSER STOCK NO.	KEMET Part No.	Value (µF)	Volt (DC)	Tol.±	Thick-ness (mm)	Price Each		Reel Qty.	Price per Piece
						1	100		
Temperature Coefficient X5R									
80-C0402C105K9P	C0402C105K9PACTU	1.0	6.3	10%	.50±0.05	.19	.036	10000	.009
80-C0402C225M9P	C0402C225M9PACTU	2.2	6.3	20%	.50±0.05	.45	.27	10000	.073
80-C0402C225M8P	C0402C225M8PACTU	2.2	10	20%	.50±0.05	.14	.056	10000	.028

EIA Case Size 0603

For quantities greater than listed, call for quote.

MOUSER STOCK NO.	KEMET Part No.	Value (µF)	Volt (DC)	Tol.±	Thick-ness (mm)	Price Each		Reel Qty.	Price per Piece
						1	100		
Temperature Coefficient X5R									
80-C0603C105K9P	C0603C105K9PACTU	1.0	6.3	10%	.80±.10	.07	.02	4000	.006
80-C0603C105K8P	C0603C105K8PACTU	1.0	10	10%	.80±.10	.19	.03	4000	.009
80-C0603C105K4P	C0603C105K4PACTU	1.0	16	10%	.80±.10	.15	.05	4000	.014
80-C0603C105K3P	C0603C105K3PACTU	1.0	25	10%	.80±.15	.25	.12	4000	.044
80-C0603C225K8P	C0603C225K8PACTU	2.2	10	10%	.80±.10	.22	.10	4000	.033
80-C0603C475K9P	C0603C475K9PACTU	4.7	6.3	10%	.80±.10	.17	.07	4000	.02
80-C0603C106M9P	C0603C106M9PACTU	1.0	6.3	20%	.80±.15	.48	.24	4000	.081
Temperature Coefficient Y5V									
80-C0603C105Z8V	C0603C105Z8VACTU	1.0	10	+80,-20	.80±.10	.10	.03	4000	.009
Temperature Coefficient X7R									
80-C0603C105K4R	C0603C105K4RACTU	1.0	16	10%	.80±.15	.16	.05	4000	.016
80-C0603C105K3R	C0603C105K3RACTU	1.0	25	10%	.80±0.07	.31	.124	4000	.075
80-C0603C105M3R	C0603C105M3RACTU	1.0	25	20%	.80±0.07	.30	.12	4000	.073

EIA Case Size 0805

For quantities greater than listed, call for quote.

MOUSER STOCK NO.	KEMET Part No.	Value (µF)	Volt (DC)	Tol.±	Thick-ness (mm)	Price Each		Reel Qty.	Price per Piece
						1	100		
Temperature Coefficient X5R									
80-C0805C105K4P	C0805C105K4PACTU	1.0	16	10%	1.25±0.15	.45	.225	2500	.07
80-C0805C105K3P	C0805C105K3PACTU	1.0	25	10%	1.25±0.15	.46	.32	2500	.08
80-C0805C225K9P	C0805C225K9PACTU	2.2	6.3	10%	0.9±0.1	.34	.178	4000	.058
80-C0805C225K8P	C0805C225K8PACTU	2.2	10	10%	0.9±0.1	.36	.172	2500	.06
80-C0805C225K4P	C0805C225K4PACTU	2.2	16	10%	0.9±0.1	1.18	.78	2500	.19
80-C0805C475K9P	C0805C475K9PACTU	4.7	6.3	10%	1.25±0.2	.22	.08	2500	.025
80-C0805C475K8P	C0805C475K8PACTU	4.7	10	10%	1.25±0.2	.22	.105	2500	.033
80-C0805C475K4P	C0805C475K4PACTU	4.7	16	10%	1.25±0.2	.38	.29	2500	.15
80-C0805C106K9P	C0805C106K9PACTU	10	6.3	10%	1.25±0.2	.22	.105	3000	.033
80-C0805C106K8P	C0805C106K8PACTU	10	10	10%	1.25±0.2	.36	.172	2500	.06
80-C0805C226M9P	C0805C226M9PACTU	22	6.3	20%	1.25±0.2	.40	.245	2500	.088
Temperature Coefficient Y5V									
80-C0805C225Z4V	C0805C225Z4VACTU	2.2	16	+80,-20	1.25±0.15	.24	.096	2500	.025
80-C0805C475Z8V	C0805C475Z8VACTU	4.7	10	+80,-20	1.25±0.15	.78	.39	2500	.15
80-C0805C106Z9V	C0805C106Z9VACTU	10	6.3	+80,-20	1.25±0.2	.45	.145	3000	.045
Temperature Coefficient X7R									
80-C0805C105K9R	C0805C105K9RACTU	1.0	6.3	10%	1.25±0.15	.74	.50	2500	.16
80-C0805C105K4R	C0805C105K4RACTU	1.0	16	10%	1.25±0.15	.14	.066	2500	.017
80-C0805C105K5R	C0805C105K5RACTU	1.0	50	10%	1.25±0.15	.28	.11	2500	.07
80-C0805C105M5R	C0805C105M5RACTU	1.0	50	20%	1.25±0.15	.27	.10	2500	.068
80-C0805C225K9R	C0805C225K9RACTU	2.2	6.3	10%	1.25±0.15	.35	.208	2500	.064
80-C0805C225K8R	C0805C225K8RACTU	2.2	10	10%	1.25±0.15	.22	.105	2500	.03
80-C0805C225K4R	C0805C225K4RACTU	2.2	16	10%	1.25±0.15	.45	.23	2500	.081
80-C0805C475K9R	C0805C475K9RACTU	4.7	6.3	10%	1.25±0.15	.43	.189	2500	.097
80-C0805C475M9R	C0805C475M9RACTU	4.7	6.3	20%	1.25±0.15	.37	.151	2500	.097
80-C0805C475K8R	C0805C475K8RACTU	4.7	10	10%	1.25±0.15	.43	.189	2500	.097
80-C0805C475M8R	C0805C475M8RACTU	4.7	10	20%	1.25±0.15	.37	.151	2500	.097
80-C0805C475K4R	C0805C475K4RACTU	4.7	16	10%	1.25±0.15	.37	.16	2500	.10
80-C0805C475M4R	C0805C475M4RACTU	4.7	16	20%	1.25±0.15	.37	.151	2500	.097
80-C0805C106K9R	C0805C106K9RACTU	10	6.3	10%	1.25±0.15	.42	.17	2500	.11
80-C0805C106M9R	C0805C106M9RACTU	10	6.3	20%	1.25±0.15	.42	.168	2500	.108
80-C0805C106K8R	C0805C106K8RACTU	10	10	10%	1.25±0.15	.42	.168	2500	.108
80-C0805C106M8R	C0805C106M8RACTU	10	10	20%	1.25±0.15	.48	.21	2500	.108

EIA Case Size 1206

For quantities greater than listed, call for quote.

MOUSER STOCK NO.	KEMET Part No.	Value (µF)	Volt (DC)	Tol.±	Thick-ness (mm)	Price Each		Reel Qty.	Price per Piece
						1	100		
Temperature Coefficient X5R									
80-C1206C105K3P	C1206C105K3PACTU	1.0	25	10%	1.6±0.2	1.18	.78	2000	.19
80-C1206C475K4P	C1206C475K4PACTU	4.7	16	10%	1.6±0.2	.37	.173	2000	.054
80-C1206C475K3P	C1206C475K3PACTU	4.7	25	10%	1.6±0.2	.60	.44	2000	.123
80-C1206C106K8P	C1206C106K8PACTU	10	10	10%	1.15±0.15	.22	.105	2000	.03
80-C1206C106K4P	C1206C106K4PACTU	10	16	10%	1.6±0.2	.33	.20	2000	.06
80-C1206C106K3P	C1206C106K3PACTU	10	25	10%	1.6±0.2	.97	.74	2000	.38

EIA Case Size 1206 (Cont.)

For quantities greater than listed, call for quote.

MOUSER STOCK NO.	KEMET Part No.	Value (µF)	Volt (DC)	Tol.±	Thick-ness (mm)	Price Each		Reel Qty.	Price per Piece
						1	100		
Temperature Coefficient X5R (Cont.)									
80-C1206C226K9P	C1206C226K9PACTU	22	6.3	10%	1.6±0.2	.39	.31	2000	.12
80-C1206C476M9P	C1206C476M9PACTU	47	6.3	20%	1.25±0.2	.79	.54	2000	.225
80-C1206C107M9P	C1206C107M9PACTU	100	6.3	20%	1.6±0.2	1.03	.75	2000	.31
80-C1206C226M8P	C1206C226M8PACTU	22	10	20%	1.6±0.15	.79	.46	2000	.188
Temperature Coefficient Y5V									
80-C1206C105Z3V	C1206C105Z3VACTU	1.0	25	+80,-20	0.78±0.1	.22	.105	2000	.033
80-C1206C475Z4V	C1206C475Z4VACTU	4.7	16	+80,-20	1.2±0.15	.20	.112	2500	.032
80-C1206C106Z8V	C1206C106Z8VACTU	10	10	+80,-20	1.7±0.2	.24	.112	2000	.032
80-C1206C226Z9V	C1206C226Z9VACTU	22	6.3	+80,-20	1.7±0.2	.30	.17	2000	.063
Temperature Coefficient X7R									
80-C1206C105K3R	C1206C105K3RACTU	1.0	25	10%	1.6±0.15	.24	.112	2000	.035
80-C1206C105K5R	C1206C105K5RACTU	1.0	50	10%	1.0±0.1	.78	.60	2500	.31
80-C1206C225K3R	C1206C225K3RACTU	2.2	25	10%	1.2±0.15	.34	.20	2500	.08
80-C1206C225K5R	C1206C225K5RACTU	2.2	50	10%	1.6±0.2	.96	.74	2000	.38
80-C1206C475K8R	C1206C475K8RACTU	4.7	10	10%	1.25±0.15	.41	.218	2500	.076
80-C1206C475K4R	C1206C475K4RACTU	4.7	16	10%	1.25±0.15	.41	.218	2500	.076
80-C1206C475K3R	C1206C475K3RACTU	4.7	25	10%	1.6±0.2	.62	.38	2000	.163
80-C1206C106K8R	C1206C106K8RACTU	10	10	10%	1.6±0.2	.41	.25	2000	.093
80-C1206C106K4R	C1206C106K4RACTU	10	16	10%	1.6±0.2	.51	.25	2000	.096
80-C1206C106K3R	C1206C106K3RACTU	10	25	10%	1.6±0.2	.66	.26	2000	.16
80-C1206C106M3R	C1206C106M3RACTU	10	25	20%	1.6±0.2	.66	.26	2000	.158
80-C1206C226M9R	C1206C226M9RACTU	22	6.3	20%	1.6±0.2	.72	.35	2000	.204
80-C1206C226M8R	C1206C226M8RACTU	22	10	20%	1.6±0.2	.72	.35	2000	.204

EIA Case Size 1210

For quantities greater than listed, call for quote.

MOUSER STOCK NO.	KEMET Part No.	Value (µF)	Volt (DC)	Tol.±	Thick-ness (mm)	Price Each		Reel Qty.	Price per Piece
						1	100		
Temperature Coefficient X5R									
80-C1210C105K5P	C1210C105K5PACTU	1.0	50	10%	1.55±0.15	.79	.54	2000	.177
80-C1210C475K4P	C1210C475K4PACTU	4.7	16	10%	2.1±0.2	.67	.42	2000	.16
80-C1210C475K3P	C1210C475K3PACTU	4.7	25	10%	2.1±0.2	.67	.42	2000	.16
80-C1210C106K3P	C1210C106K3PACTU	10	25	10%	2.1±0.2	.87	.59	2000	.248
80-C1210C106K4P	C1210C106K4PACTU	10	16	10%					