

# TDK High Capacitance Ceramic Chip Capacitors

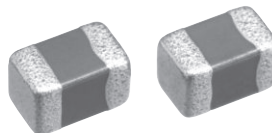
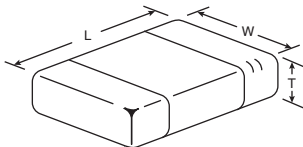


RoHS Compliant This product is RoHS compliant.

## C SERIES CAPACITORS (CONT.)

### Features:

- High capacitance has been achieved through precision technologies
- Monolithic structure ensures superior mechanical strength and reliability
- High-accuracy automatic mounting is facilitated through the maintenance of very precise dimensional tolerances.
- Composed of only ceramics and metals, these capacitors provide extremely dependable performance, exhibiting virtually no degradation even when subjected to temperature extremes.



EIA Code	EIAJ Code	Dim. (mm)	
		L	W
0603	1608	1.6	0.8
0612	1632	1.6	3.2
0805	2012	2.0	1.25
1206	3216	3.2	1.6

### Style 0603 (Cont.)

For quantities greater than listed, call for quote.

MOUSER STOCK NO.		Value (µF)	Volt (DC)	Tol.±	Dim. T (mm)	Price Each			Reel Qty.	Price Per Piece
Mfr.	Mfr. Part No.					1	100	500		
Temperature Coef: X7R										
810	C1608X7R1C104K	0.1	16	10%	0.8	.27	.063	.033	4000	.02
810	C1608X7R1E104K	0.1	25	10%	0.8	.27	.063	.033	4000	.02
810	C1608X7R1E104M	0.1	25	20%	0.8	.27	.063	.033	4000	.02
810	C1608X7R1H104K	0.1	50	10%	0.8	.16	.036	.019	4000	.01
810	C1608X7R1C154K	0.15	16	10%	0.8	.20	.045	.024	4000	.011
810	C1608X7R1E154K	0.15	25	10%	0.8	.20	.045	.024	4000	.011
810	C1608X7R1C224K	0.22	16	10%	0.8	.20	.045	.024	4000	.011
810	C1608X7R1H334K	0.33	50	10%	0.8	.35	.143	.082	4000	.046
810	C1608X7R1H334M	0.33	50	20%	0.8	.35	.143	.082	4000	.046
810	C1608X7R1A474K	0.47	10	10%	0.8	.26	.058	.031	4000	.015
810	C1608X7R1H474K	0.47	50	10%	0.8	.35	.143	.082	4000	.046
810	C1608X7R1H474M	0.47	50	20%	0.8	.35	.143	.082	4000	.046
810	C1608X7R1C684K	0.68	16	10%	0.8	.33	.088	.045	4000	.023
810	C1608X7R1C684M	0.68	16	20%	0.8	.33	.088	.045	4000	.023
810	C1608X7R1E684K	0.68	25	10%	0.8	.35	.143	.082	4000	.046
810	C1608X7R1E684M	0.68	25	20%	0.8	.35	.143	.082	4000	.046
810	C1608X7R1A105K	1	10	10%	0.8	.07	.009	.006	4000	.003
810	C1608X7R1E105K	1	25	10%	0.8	.35	.143	.082	4000	.046
810	C1608X7R1E105M	1	25	20%	0.8	.35	.143	.082	4000	.046
810	C1608X7R0J225K	2.2	6.3	10%	0.8	.46	.161	.078	4000	.038
810	C1608X7R0J225M	2.2	6.3	20%	0.8	.46	.161	.078	4000	.038
810	C1608X7R1A225K	2.2	10	10%	0.8	.35	.143	.082	4000	.046
810	C1608X7R1A225M	2.2	10	20%	0.8	.35	.143	.082	4000	.046
Temperature Coef: X7S										
810	C1608X7S0G475M	4.7	4	20%	0.8	.16	.11	.10	4000	.086
Temperature Coef: Y5V										
810	C1608Y5V1C104Z	0.1	16	+80,-20%	0.8	.07	.009	.006	4000	.003
810	C1608Y5V1E104Z	0.1	25	+80,-20%	0.8	.07	.009	.006	4000	.003
810	C1608Y5V1H104Z	0.1	50	+80,-20%	0.8	.07	.009	.006	4000	.003
810	C1608Y5V1E474Z	0.47	25	+80,-20%	0.8	.16	.067	.063	4000	.055
810	C1608Y5V1A105Z	1	10	+80,-20%	0.8	.13	.029	.015	4000	.01
810	C1608Y5V1C105Z	1	16	+80,-20%	0.8	.16	.021	.014	4000	.01
810	C1608Y5V1C225Z	2.2	16	+80,-20%	0.8	.08	.04	.026	4000	.017

### Style 0612

For quantities greater than listed, call for quote.

MOUSER STOCK NO.		Value (µF)	Volt (DC)	Tol.±	Dim. T (mm)	Price Each			Reel Qty.	Price Per Piece
Mfr.	Mfr. Part No.					1	100	500		
Temperature Coef: X5R										
810	C1632X5R0J475K	4.7	6.3	10%	1.30	.77	.385	.248	2000	.148
Temperature Coef: X7R										
810	C1632X7R0J225M	2.2	6.3	20%	1.15	.85	.427	.275	2000	.164

### Style 0805

For quantities greater than listed, call for quote.

MOUSER STOCK NO.		Value (µF)	Volt (DC)	Tol.±	Dim. T (mm)	Price Each			Reel Qty.	Price Per Piece
Mfr.	Mfr. Part No.					1	100	500		
Temperature Coef: SL										
810	C2012SL1A104J	0.1	10	±5%	1.25	.68	.393	.316	2000	.164
Temperature Coef: X5R										
810	C2012X5R1A105K	1	10	10%	0.85	.27	.072	.036	2000	.021
810	C2012X5R1C105K	1	16	10%	1.25	.27	.072	.036	2000	.021
810	C2012X5R1H155K	1.5	50	10%	1.25	.64	.336	.24	2000	.128
810	C2012X5R1H155M	1.5	50	20%	1.25	.64	.336	.24	2000	.128
810	C2012X5R1A225K	2.2	10	10%	0.85	.16	.084	.054	2000	.032
810	C2012X5R1E225K	2.2	25	10%	1.25	.46	.161	.078	2000	.045
810	C2012X5R1H225K	2.2	50	10%	1.25	.64	.336	.24	2000	.128
810	C2012X5R1H225M	2.2	50	20%	1.25	.64	.336	.24	2000	.128
810	C2012X5R0J335K	3.3	6.3	10%	0.85	.42	.33	.099	2000	.06
810	C2012X5R1H335K	3.3	50	10%	1.25	.80	.42	.30	2000	.192
810	C2012X5R1H335M	3.3	50	20%	1.25	.80	.42	.30	2000	.192
810	C2012X5R0J475K	4.7	6.3	10%	1.25	.20	.104	.067	2000	.04
810	C2012X5R0J475M	4.7	6.3	20%	1.25	.40	.14	.068	2000	.044
810	C2012X5R1H475K	4.7	50	10%	1.25	.80	.42	.30	2000	.192
810	C2012X5R1H475M	4.7	50	20%	1.25	.80	.42	.30	2000	.192
810	C2012X5R1E685K	6.8	25	10%	1.25	.80	.42	.30	2000	.192
810	C2012X5R1E685M	6.8	25	20%	1.25	.80	.42	.30	2000	.192
810	C2012X5R0J106M	10	6.3	20%	1.25	.42	.147	.071	2000	.046

### Style 0805 (Cont.)

For quantities greater than listed, call for quote.

MOUSER STOCK NO.		Value (µF)	Volt (DC)	Tol.±	Dim. T (mm)	Price Each			Reel Qty.	Price Per Piece
Mfr.	Mfr. Part No.					1	100	500		
Temperature Coef: X5R (Cont.)										
810	C2012X5R1A106K	10	10	10%	1.25	.44	.154	.074	2000	.04
810	C2012X5R1E106K	10	25	10%	1.25	.80	.42	.30	2000	.192
810	C2012X5R1E106M	10	25	20%	1.25	.80	.42	.30	2000	.192
810	C2012X5R0J226M	22	6.3	20%	1.25	.44	.22	.141	2000	.084
810	C2012X5R0J336M	33	6.3	20%	1.25	1.13	.69	.56	2000	.29
810	C2012X5R0G476M	47	4	20%	1.25	.92	.57	.46	2000	.24
810	C2012X5R0J476M	47	6.3	20%	1.25	.92	.57	.46	2000	.24
Temperature Coef: X6S										
810	C2012X6S0G476M	47	4	20%	1.25	1.13	.69	.56	2000	.29
Temperature Coef: X7R										
810	C2012X7R1E104K	0.1	25	10%	0.85	.22	.049	.026	2000	.028
810	C2012X7R1H104K	0.1	50	10%	0.85	.20	.13	.069	2000	.028
810	C2012X7R2A104K	0.1	100	10%	1.25	.30	.105	.051	2000	.028
810	C2012X7R2A104M	0.1	100	20%	1.25	.30	.105	.051	2000	.037
810	C2012X7R1C224K	0.22	16	10%	1.25	.28	.075	.039	2000	.028
810	C2012X7R1E224K	0.22	25	10%	1.25	.28	.075	.039	2000	.028
810	C2012X7R1H224K	0.22	50	10%	1.25	.28	.075	.039	2000	.028
810	C2012X7R1C334K	0.33	16	10%	1.25	.36	.126	.061	2000	.028
810	C2012X7R1H224K	0.47	16	10%	1.25	.43	.065	.054	2000	.028
810	C2012X7R1E474K	0.47	25	10%	1.25	.42	.112	.057	2000	.028
810	C2012X7R1A105K	1	10	10%	0.85	.27	.072	.036	2000	.021
810	C2012X7R1C105K	1	16	10%	1.25	.27	.072	.065	2000	.061
810	C2012X7R1E105K	1	25	10%	1.25	.33	.088	.045	2000	.025
810	C2012X7R1H105M	1	25	20%	1.25	.33	.088	.045	2000	.025
810	C2012X7R1H155K	1.5	50	10%	1.25	.80	.42	.30	2000	.192
810	C2012X7R1H155M	1.5	50	20%	1.25	.80	.42	.30	2000	.192
810	C2012X7R1C225K	2.2	16	10%	1.25	.36	.126	.061	2000	.04
810	C2012X7R1H225K	2.2	50	10%	1.25	.80	.42	.30	2000	.192
810	C2012X7R1H225M	2.2	50	20%	1.25	.80	.42	.30	2000	.192
810	C2012X7R1E335K	3.3	25	10%	1.25	.70	.35	.225	2000	.134
810	C2012X7R1H335M	3.3	25	20%	1.25	.70	.35	.225	2000	.134
810	C2012X7R1E475K	4.7	25	10%	1.25	.64	.336	.24	2000	.128
810	C2012X7R1E475M	4.7	25	20%	1.25	.64	.336	.24	2000	.128
Temperature Coef: X7S										
810	C2012X7S2A154K	0.15	10	10%	0.85	.55	.275	.176	4000	.094
810	C2012X7S2A154M	0.15	10	20%	0.85	.55	.275	.176	4000	.094
810	C2012X7S2A224K	0.22	10	10%	0.85	.55	.275	.176	4000	.094
810	C2012X7S2A224M	0.22	10	20%	0.85	.55	.275	.176	4000	.094
810	C2012X7S2A334K	0.33	10	10%	1.25	.55	.275	.176	2000	.099
810	C2012X7S2A334									