

# TDK Ceramic Chip Capacitors

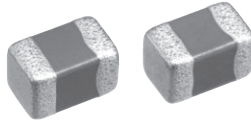


RoHS Compliant This page of product is RoHS compliant.

## C SERIES HIGH CAPACITANCE MLCC 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.



### 1206 Case Size (Cont.)

For quantities greater than listed, call for quote.

MOUSER STOCK NO.	TDK Part No.	Value (µF)	Voltage (VDC)	Tol. (%)	Price Each	
					1	100
<b>Temperature Coef: X7R (Cont.)</b>						
810-C3216X7R1C685M	C3216X7R1C685M160AC	6.8	16	20	.44	.141
810-C3216X7R1A106K	C3216X7R1A106K160AC	10	10	10	.31	.085
810-C3216X7R1A106M	C3216X7R1A106M160AC	10	10	20	.29	.08
810-C3216X7R1V106M	C3216X7R1V106M160AC	10	35	20	.77	.27
<b>Temperature Coef: X7S</b>						
810-C3216X7S0J226M	C3216X7S0J226M160AB	22	6.3	20	.89	.336
810-C3216X7S1A226M	C3216X7S1A226M160AC	22	10	20	.94	.353
810-C3216X7S0G476M	C3216X7S0G476M160AB	47	4	20	.89	.336
810-C3216X7S0J476M	C3216X7S0J476M160AC	47	6.3	20	.96	.36

### 1210 Case Size

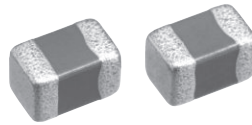
For quantities greater than listed, call for quote.

MOUSER STOCK NO.	TDK Part No.	Value (µF)	Voltage (VDC)	Tol. (%)	Price Each	
					1	100
<b>Temperature Coef: C0G</b>						
810-C3225C0G1H104J	C3225C0G1H104J250AA	0.1	50	5	1.53	.735
<b>Temperature Coef: X5R</b>						
810-C3225X5R1C106M	C3225X5R1C106M200AA	10	16	20	.50	.177
810-C3225X5R1A226M	C3225X5R1A226M230AA	22	10	20	.77	.27
810-C3225X5R1C226M	C3225X5R1C226M250AA	22	16	20	.86	.30
810-C3225X5R0J476M	C3225X5R0J476M250AA	47	6.3	20	.94	.353
810-C3225X5R1A476M	C3225X5R1A476M250AC	47	10	20	1.24	.495
810-C3225X5R0J107M	C3225X5R0J107M250AC	100	6.3	20	1.25	.505
<b>Temperature Coef: X6S</b>						
810-C3225X6S0J476M	C3225X6S0J476M250AC	47	6.3	20	1.01	.405
810-C3225X6S0G107M	C3225X6S0G107M250AC	100	4	20	1.40	.674
810-C3225X6S0J107M	C3225X6S0J107M250AC	100	6.3	20	1.40	.674
<b>Temperature Coef: X7R</b>						
810-C3225X7R2E104M	C3225X7R2E104M200AA	0.1	250	20	.42	.133
810-C3225X7R2E154K	C3225X7R2E154K200AA	0.15	250	10	.50	.175
810-C3225X7R2E154M	C3225X7R2E154M200AA	0.15	250	20	.45	.171
810-C3225X7R2E224M	C3225X7R2E224M200AA	0.22	250	20	.46	.148
810-C3225X7R2A334K	C3225X7R2A334K200AA	0.33	100	10	.60	.209
810-C3225X7R2A334M	C3225X7R2A334M200AA	0.33	100	20	.60	.209
810-C3225X7R2A474M	C3225X7R2A474M200AA	0.47	100	20	.56	.196
810-C3225X7R2A684K	C3225X7R2A684K160AA	0.68	100	10	.86	.30
810-C3225X7R2A684M	C3225X7R2A684M160AA	0.68	100	20	.86	.30
810-C3225X7R2A105M	C3225X7R2A105M200AA	1	100	20	.67	.233
810-C3225X7R1H155M	C3225X7R1H155M200AA	1.5	50	20	.54	.188
810-C3225X7R2A225K	C3225X7R2A225K230AB	2.2	100	10	.77	.27
810-C3225X7R1H335M	C3225X7R1H335M250AB	3.3	50	20	.84	.318
810-C3225X7R1E475K	C3225X7R1E475K200AA	4.7	25	10	.44	.141
810-C3225X7R1E475M	C3225X7R1E475M200AA	4.7	25	20	.44	.141
810-C3225X7R1C106M	C3225X7R1C106M200AB	10	16	20	.51	.18
810-C3225X7R1E106M	C3225X7R1E106M250AC	10	25	20	.73	.255
<b>Temperature Coef: X7S</b>						
810-C3225X7S2A335M	C3225X7S2A335M200AB	3.3	100	20	.96	.36
810-C3225X7S2A475K	C3225X7S2A475K200AB	4.7	100	10	1.50	.72
810-C3225X7S2A475M	C3225X7S2A475M200AB	4.7	100	20	1.43	.686
810-C3225X7S1H685K	C3225X7S1H685K250AB	6.8	50	10	1.35	.648

## C SERIES HIGH TEMPERATURE MLCC CAPACITORS

**Features:**

- Suited for devices that operate in high-temperature environments with a maximum operating temperature of 150°C
- 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.



### 0603 Case Size

For quantities greater than listed, call for quote.

MOUSER STOCK NO.	TDK Part No.	Value (nF)	Voltage (VDC)	Tol. (%)	Price Each	
					1	100
<b>Temperature Coef: C0G</b>						
810-C1608NP02E821J0A	C1608NP02E821J080AA	0.82	250	5	.27	.086
810-C1608NP02E102J0A	C1608NP02E102J080AA	1	250	5	.31	.085
810-C1608NP02E122J0A	C1608NP02E122J080AA	1.2	250	5	.31	.085
810-C1608NP02E152J0A	C1608NP02E152J080AA	1.5	250	5	.31	.085
810-C1608NP02E182J0A	C1608NP02E182J080AA	1.8	250	5	.31	.085
810-C1608NP02E222J0A	C1608NP02E222J080AA	2.2	250	5	.31	.085

### 0805 Case Size

For quantities greater than listed, call for quote.

MOUSER STOCK NO.	TDK Part No.	Value (nF)	Voltage (VDC)	Tol. (%)	Price Each	
					1	100
<b>Temperature Coef: C0G</b>						
810-C2012NP02W101J0A	C2012NP02W101J060AA	0.1	450	5	.40	.128
810-C2012NP02W121J0A	C2012NP02W121J060AA	0.12	450	5	.40	.128
810-C2012NP02W151J0A	C2012NP02W151J060AA	0.15	450	5	.40	.128
810-C2012NP02W181J0A	C2012NP02W181J060AA	0.18	450	5	.40	.128
810-C2012NP02W221J0A	C2012NP02W221J060AA	0.22	450	5	.40	.128
810-C2012NP02W271J0A	C2012NP02W271J060AA	0.27	450	5	.40	.128
810-C2012NP02W331J0A	C2012NP02W331J060AA	0.33	450	5	.40	.128

## 1812 Case Size

For quantities greater than listed, call for quote.

MOUSER STOCK NO.	TDK Part No.	Value (µF)	Voltage (VDC)	Tol. (%)	Price Each	
					1	100
<b>Temperature Coef: X5R</b>						
810-C4532X5R1E106K	C4532X5R1E106K250KA	10	25	10	1.39	.446
810-C4532X5R1E106M	C4532X5R1E106M250KA	10	25	20	1.29	.414
810-C4532X5R1A226M	C4532X5R1A226M230KA	22	10	20	1.03	.331
810-C4532X5R1E226M	C4532X5R1E226M250KA	22	25	20	1.34	.54
810-C4532X5R1A336M	C4532X5R1A336M230KA	33	10	20	1.50	.72
810-C4532X5R1C336M	C4532X5R1C336M250KA	33	16	20	1.50	.72
810-C4532X5R1A476M	C4532X5R1A476M280KA	47	10	20	2.14	1.03
810-C4532X5R0J686M	C4532X5R0J686M280KA	68	6.3	20	2.51	1.44
810-C4532X5R0J107M	C4532X5R0J107M280KA	100	6.3	20	2.15	1.24
<b>Temperature Coef: X7R</b>						
810-C4532X7R3D222KK	C4532X7R3D222K130KE	0.0022	2000	10	1.13	.45
810-C4532X7R2J104M	C4532X7R2J104M230KA	0.1	630	20	.86	.245
810-C4532X7R2E334K	C4532X7R2E334K230KA	0.33	250	10	.84	.24
810-C4532X7R2E334M	C4532X7R2E334M230KA	0.33	250	20	.84	.24
810-C4532X7R2E474K	C4532X7R2E474K230KA	0.47	250	10	.88	.266
810-C4532X7R2E474M	C4532X7R2E474M230KA	0.47	250	20	.88	.266
810-C4532X7R2A684K	C4532X7R2A684K230KA	0.68	100	10	1.13	.36
810-C4532X7R1H105M	C4532X7R1H105M160KA	1	50	20	.83	.312
810-C4532X7R2A105K	C4532X7R2A105K230KA	1	100	10	1.12	.34
810-C4532X7R2A105M	C4532X7R2A105M230KA	1	100	20	1.01	.324
810-C4532X7R2A155K	C4532X7R2A155K230KA	1.5	100	10	1.50	.672
810-C4532X7R2A155M	C4532X7R2A155M230KA	1.5	100	20	1.38	.66
810-C4532X7R1H225K	C4532X7R1H225K160KA	2.2	50	10	1.21	.483
810-C4532X7R2A225K	C4532X7R2A225K230KA	2.2	100	10	1.15	.368
<b>Temperature Coef: X7R (Cont.)</b>						
810-C4532X7R2A225M	C4532X7R2A225M230KA	2.2	100	20	1.13	.36
810-C4532X7R1H685M	C4532X7R1H685M250KB	6.8	50	20	1.38	.661
810-C4532X7R1C106K	C4532X7R1C106K230KA	10	16	10	1.38	.441
810-C4532X7R1E106M	C4532X7R1E106M250KA	10	25	20	1.27	.405
810-C4532X7R1C336M	C4532X7R1C336M250KB	33	16	20	1.68	.808
<b>Temperature Coef: X7S</b>						
810-C4532X7S3A103K	C4532X7S3A103K160KA	0.01	1000	10	2.05	1.18
810-C4532X7S2A475M	C4532X7S2A475M230KB	4.7	100	20	1.75	.84

### 2220 Case Size

For quantities greater than listed, call for quote.

MOUSER STOCK NO.	TDK Part No.	Value (µF)	Voltage (VDC)	Tol. (%)	Price Each	
					1	100
<b>Temperature Coef: X5R</b>						
810-C5750X5R1H106K	C5750X5R1H106K230KA	10	50	10	2.28	1.10
810-C5750X5R1C336M	C5750X5R1C336M200KA	33	16	20	2.51	1.44
810-C5750X5R1C476M	C5750X5R1C476M230KA	47	16	20	2.46	1.41
810-C5750X5R1A686M	C5750X5R1A686M230KA	68	10	20	3.14	1.80
810-C5750X5R0J107M	C5750X5R0J107M280KA	100	6.3	20	2.51	1.44
<b>Temperature Coef: X7R</b>						
810-C5750X7R2E334M	C5750X7R2E334M160KA	0.33	250	20	1.34	.54
810-C5750X7R2E684K	C5750X7R2E684K230KA	0.68	250	10	1.84	.882
810-C5750X7R2A105M	C5750X7R2A105M230KA	1	100	20	1.75	.84
810-C5750X7R2E105K	C5750X7R2E105K230KA	1	250	10	1.25	.60
810-C5750X7R2E105M	C5750X7R2E105M230KA	1	250	20	1.28	.612
810-C5750X7R2A155M	C5750X7R2A155M230KA	1.5	100	20	2.00	.96
810-C5750X7R2A335K	C5750X7R2A335K230KA	3.3	100	10	2.46	1.41
810-C5750X7R2A335M	C5750X7R2A335M230KA	3.3	100	20	2.09	1.20
810-C5750X7R2A475K	C5750X7R2A475K230KA	4.7	100	10	2.46	1.41
810-C5750X7R2A475M	C5750X7R2A475M230KA	4.7	100	20	2.09	1.20
810-C5750X7R1H106M	C5750X7R1H106M230KB	10	50	20	2.25	1.08
810-C5750X7R1E156M	C5750X7R1E156M230KA	15	25	20	2.35	1.13
810-C5750X7R1C226M	C5750X7R1C226M280KA	22	16	20	2.09	1.20
810-C5750X7R1E226M	C5750X7R1E226M250KA	22	25	20	2.46	1.41
810-C						