

# TDK High Capacitance Ceramic Chip Capacitors

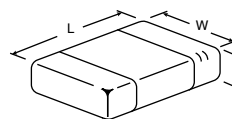


## TDK C SERIES CAPACITORS

This product is RoHS compliant.

**Features:**

- COG (NPO), X7R, X5R, and 75V Dielectrics
- High capacitance has been achieved through precision technologies that enable the use of multiple thinner ceramic dielectric layers.
- 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. L	(mm) W
0402	1005	1.0	.05
0603	1608	1.6	0.8
0805	2012	2.0	1.25
1206	3216	3.2	1.6

TDK Ceramic Caps, SMD

**Style 0402**

MOUSER STOCK NO.	TDK Part No.	Value (µF)	Volt (DC)	Tol.±	Dim. T (mm)	Price Each			Reel Qty.	Price Per Piece	
						1	100	500		10,000	50,000
<b>Temperature Coef: X5R</b>											
810-C1005X5R0J105M	C1005X5R0J105M	1	6.3	20%	0.5				10,000		

**Style 0603**

MOUSER STOCK NO.	TDK Part No.	Value (µF)	Volt (DC)	Tol.±	Dim. T (mm)	Price Each			Reel Qty.	Price Per Piece	
						1	100	500		4,000	8,000
<b>Temperature Coef: X5R</b>											
810-C1608X5R0J105K	C1608X5R0J105K	1	6.3	10%	0.8				4,000		
810-C1608X5R1A105K	C1608X5R1A105K	1	10	10%	0.8				4,000		
810-C1608X5R1C105K	C1608X5R1C105K	1	16	10%	0.8				4,000		
810-C1608X5R0J225M	C1608X5R0J225M	2.2	6.3	20%	0.8				4,000		
810-C1608X5R0J475M	C1608X5R0J475M	4.7	6.3	20%	0.8				4,000		

**Style 0805**

MOUSER STOCK NO.	TDK Part No.	Value (µF)	Volt (DC)	Tol.±	Dim. T (mm)	Price Each				Reel Qty.	Price Each
						1	50	100	500		
<b>Temperature Coef: X7R</b>											
810-C2012X7R1A105K	C2012X7R1A105K	1	10	10%	0.85					2,000	
810-C2012X7R1C105K	C2012X7R1C105K	1	16	10%	1.25					2,000	
810-C2012X7R1E105K	C2012X7R1E105K	1	25	10%	1.25					2,000	
810-C2012X7R1C225K	C2012X7R1C225K	2.2	16	10%	1.25					2,000	
<b>Temperature Coef: X5R</b>											
810-C2012X5R1A105K	C2012X5R1A105K	1	10	10%	0.85					2,000	
810-C2012X5R1A225K	C2012X5R1A225K	2.2	10	10%	0.85					2,000	
810-C2012X5R0J475K	C2012X5R0J475K	4.7	6.3	10%	1.25					2,000	
810-C2012X5R0J475M	C2012X5R0J475M	4.7	6.3	20%	1.25					2,000	
810-C2012X5R0J106M	C2012X5R0J106M	10	6.3	20%	1.25					2,000	
810-C2012X5R0J226M	C2012X5R0J226M	22	6.3	20%	1.25					2,000	
<b>Temperature Coef: Y5V</b>											
810-C2012Y5V1C105Z	C2012Y5V1C105Z	1	16	+80,-20%	0.85					2,000	
810-C2012Y5V1E105Z	C2012Y5V1E105Z	1	25	+80,-20%	0.85					2,000	
810-C2012Y5V1H105Z	C2012Y5V1H105Z	1	50	+80,-20%	1.25					2,000	
810-C2012Y5V1C225Z	C2012Y5V1C225Z	2.2	16	+80,-20%	1.25					2,000	
810-C2012Y5V1E225Z	C2012Y5V1E225Z	2.2	25	+80,-20%	1.25					2,000	
810-C2012Y5V1A475Z	C2012Y5V1A475Z	4.7	10	+80,-20%	1.25					2,000	
810-C2012Y5V1C475Z	C2012Y5V1C475Z	4.7	16	+80,-20%	1.25					2,000	
810-C2012Y5V0J106Z	C2012Y5V0J106Z	10	6.3	+80,-20%	1.25					2,000	
810-C2012Y5V1A106Z	C2012Y5V1A106Z	10	10	+80,-20%	1.25					2,000	
810-C2012Y5V0J226Z	C2012Y5V0J226Z	22	6.3	+80,-20%	1.25					2,000	

**Style 1206**

MOUSER STOCK NO.	TDK Part No.	Value (µF)	Volt (DC)	Tol.±	Dim. T (mm)	Price Each				Reel Qty.	Price Each
						1	50	100	500		
<b>Temperature Coef: X7R</b>											
810-C3216X7R1C105K	C3216X7R1C105K	1	16	10%	0.85					2,000	
810-C3216X7R1E105K	C3216X7R1E105K	1	25	10%	1.6					2,000	
810-C3216X7R1H105K	C3216X7R1H105K	1	50	10%	1.6					2,000	
810-C3216X7R1C225K	C3216X7R1C225K	2.2	16	10%	1.6					2,000	
810-C3216X7R1E225K	C3216X7R1E225K	2.2	25	10%	1.6					2,000	
810-C3216X7R1C475K	C3216X7R1C475K	4.7	16	10%	1.6					2,000	
810-C3216X7R1C475M	C3216X7R1C475M	4.7	16	20%	1.6					2,000	
810-C3216X7R1E475M	C3216X7R1E475M	4.7	25	20%	1.6					2,000	
<b>Temperature Coef: X5R</b>											
810-C3216X5R1A475K	C3216X5R1A475K	4.7	10	10%	1.6					2,000	
810-C3216X5R0J106K	C3216X5R0J106K	10	6.3	10%	1.6					2,000	
810-C3216X5R0J106M	C3216X5R0J106M	10	6.3	20%	1.6					2,000	
810-C3216X5R1A106M	C3216X5R1A106M	10	10	20%	1.6					2,000	
810-C3216X5R1C106M	C3216X5R1C106M	10	16	20%	1.6					2,000	
810-C3216X5R0J226M	C3216X5R0J226M	22	6.3	20%	1.6					2,000	
810-C3216X5R0J476M	C3216X5R0J476M	47	6.3	20%	1.6					2,000	
<b>Temperature Coef: Y5V</b>											
810-C3216Y5V1C475Z	C3216Y5V1C475Z	4.7	16	+80,-20%	0.85					2,000	
810-C3216Y5V1A106Z	C3216Y5V1A106Z	10	10	+80,-20%	1.15					2,000	
810-C3216Y5V1C106Z	C3216Y5V1C106Z	10	16	+80,-20%	1.6					2,000	
810-C3216Y5V1A226Z	C3216Y5V1A226Z	22	10	+80,-20%	1.6					2,000	
810-C3216Y5V0J476Z	C3216Y5V0J476Z	47	6.3	+80,-20%	1.6					2,000	

