

TDK Ceramic Chip Capacitors



TDK C SERIES CAPACITORS

RoHS Compliant This product is RoHS compliant.



RoHS Compliant



EIA Code	EIAJ Code	Dim. mm	
		L	W
0603	1608	1.6	0.8
0805	2012	2.0	1.25
1206	3216	3.2	1.6
1210	3225	3.2	2.5

Features:

- COG (NP0), 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.

Style 0603

MOUSER STOCK NO.	TDK Part No.	Value (pF)	Volt (DC)	Tol.±	Dim. T (mm)	Price Each			Reel Qty.	Price Per Piece	
						1	100	500		4,000	8,000
Temperature Coef: X7R											
810-C1608X7R1H221K	C1608X7R1H221K	220	50	10%	0.8	.10	.03	.017	4,000	.008	.007
810-C1608X7R1H471K	C1608X7R1H471K	470	50	10%	0.8	.10	.03	.017	4,000	.008	.007
810-C1608X7R1H102K	C1608X7R1H102K	1000	50	10%	0.8	.05	.028	.016	4,000	.007	.006
810-C1608X7R1H222K	C1608X7R1H222K	2200	50	10%	0.8	.08	.026	.015	4,000	.007	.006
810-C1608X7R1H472K	C1608X7R1H472K	4700	50	10%	0.8	.10	.03	.017	4,000	.008	.007
810-C1608X7R2A472M	C1608X7R2A472M	4700	100	20%	0.8	.24	.052	.03	4,000	.014	.012
810-C1608X7R1H103K	C1608X7R1H103K	.01µF	50	10%	0.8	.07	.028	.016	4,000	.007	.006
810-C1608X7R2A103K	C1608X7R2A103K	.01µF	100	10%	0.8	.15	.056	.032	4,000	.015	.014
810-C1608X7R2A103M	C1608X7R2A103M	.01µF	100	20%	0.8	.34	.056	.032	4,000	.015	.014
810-C1608X7R1H223K	C1608X7R1H223K	.022µF	50	10%	0.8	.11	.03	.017	4,000	.008	.006
810-C1608X7R1E473K	C1608X7R1E473K	.047µF	25	10%	0.8	.23	.059	.034	4,000	.016	.012
810-C1608X7R1H473K	C1608X7R1H473K	.047µF	50	10%	0.8	.11	.05	.029	4,000	.014	.013
810-C1608X7R1C104K	C1608X7R1C104K	.1µF	16	10%	0.8	.07	.034	.02	4,000	.01	.009
810-C1608X7R1E104K	C1608X7R1E104K	.1µF	25	10%	0.8	.07	.037	.021	4,000	.009	.008
810-C1608X7R1H104K	C1608X7R1H104K	.1µF	50	10%	0.8	.11	.066	.038	4,000	.018	.016
810-C1608X7R1C224K	C1608X7R1C224K	.22µF	16	10%	0.8	.08	.048	.028	4,000	.013	.01
Temperature Coef: X5R											
810-C1608X5R1A224K	C1608X5R1A224K	.22µF	10	10%	0.8	.54	.106	.061	4,000	.029	.025
810-C1608X5R1A474K	C1608X5R1A474K	.47µF	10	10%	0.8	.27	.13	.075	4,000	.036	.033
Temperature Coef: Y5V											
810-C1608Y5V1C104Z	C1608Y5V1C104Z	.1µF	16	+80,-20%	0.8	.09	.019	.011	4,000	.005	.004
810-C1608Y5V1E104Z	C1608Y5V1E104Z	.1µF	25	+80,-20%	0.8	.09	.017	.01	4,000	.005	.004
810-C1608Y5V1H104Z	C1608Y5V1H104Z	.1µF	50	+80,-20%	0.8	.10	.024	.013	4,000	.006	.005
810-C1608Y5V1A105Z	C1608Y5V1A105Z	1µF	10	+80,-20%	0.8	.15	.032	.018	4,000	.009	.008
810-C1608Y5V1C105Z	C1608Y5V1C105Z	1µF	16	+80,-20%	0.8	.25	.11	.063	4,000	.03	.027

Style 0805

MOUSER STOCK NO.	TDK Part No.	Value (pF)	Volt (DC)	Tol.±	Dim. T (mm)	Price Each				Reel Qty.	Price Each
						1	50	100	500		
Temperature Coef: C0G (NP0)											
810-C2012C0G1H101J	C2012C0G1H101J	100pF	50	5%	0.6	.15	.10	.064	.037	4,000	.017
810-C2012C0G1H102J	C2012C0G1H102J	1000pF	50	5%	0.6	.24	.20	.12	.072	4,000	.033
810-C2012C0G1H152J	C2012C0G1H152J	1500pF	50	5%	0.6	.48	.15	.091	.052	4,000	.025
810-C2012C0G1H222J	C2012C0G1H222J	2200pF	50	5%	0.6	.19	.15	.116	.067	4,000	.029
810-C2012C0G1H332J	C2012C0G1H332J	3300pF	50	5%	0.6	.39	.27	.162	.093	2,000	.045
810-C2012C0G1H472J	C2012C0G1H472J	4700pF	50	5%	0.85	.33	.25	.19	.112	4,000	.049
810-C2012C0G1H682J	C2012C0G1H682J	6800pF	50	5%	1.25	.63	.38	.227	.131	2,000	.063
810-C2012C0G1H103J	C2012C0G1H103J	.01µF	50	5%	1.25	.89	.74	.44	.24	2,000	.12
Temperature Coef: X7R											
810-C2012X7R1H102K	C2012X7R1H102K	1000pF	50	10%	0.6	.12	.08	.049	.028	4,000	.013
810-C2012X7R2A102K	C2012X7R2A102K	1000pF	100	10%	0.85	.38	.125	.073	.042	4,000	.02
810-C2012X7R2A102M	C2012X7R2A102M	1000pF	100	20%	0.85	.35	.091	.054	.031	4,000	.014
810-C2012X7R2A222K	C2012X7R2A222K	2200pF	100	10%	0.85	.39	.088	.052	.03	4,000	.018
810-C2012X7R2A222M	C2012X7R2A222M	2200pF	100	20%	0.85	.35	.115	.068	.039	4,000	.018
810-C2012X7R2A472K	C2012X7R2A472K	4700pF	100	10%	0.85	.39	.099	.058	.033	4,000	.016
810-C2012X7R2A472M	C2012X7R2A472M	4700pF	100	20%	0.85	.35	.119	.07	.04	4,000	.019
810-C2012X7R1H103K	C2012X7R1H103K	0.01	50	10%	0.6	.07	.05	.044	.025	4,000	.012
810-C2012X7R2A103K	C2012X7R2A103K	0.01	100	10%	0.85	.24	.12	.073	.042	4,000	.02
810-C2012X7R2A103M	C2012X7R2A103M	0.01	100	20%	0.85	.35	.116	.068	.039	4,000	.018
810-C2012X7R2A223K	C2012X7R2A223K	0.022	100	10%	1.25	.44	.144	.085	.049	2,000	.023
810-C2012X7R2A223M	C2012X7R2A223M	0.022	100	20%	1.25	.41	.132	.078	.045	2,000	.021
810-C2012X7R1E104K	C2012X7R1E104K	0.1	25	10%	0.85	.15	.10	.093	.053	2,000	.025
810-C2012X7R1H104K	C2012X7R1H104K	0.1	50	10%	0.85	.15	.12	.093	.053	2,000	.025
810-C2012X7R2A104K	C2012X7R2A104K	0.1	100	10%	1.25	.20	.16	.092	.053	2,000	.026
810-C2012X7R1C224K	C2012X7R1C224K	0.22	16	10%	1.25	.25	.229	.135	.078	2,000	.037
810-C2012X7R1E224K	C2012X7R1E224K	0.22	25	10%	1.25	.22	.19	.135	.078	2,000	.037
810-C2012X7R1H224K	C2012X7R1H224K	0.22	50	10%	1.25	.22	.18	.135	.078	2,000	.037
810-C2012X7R1C334K	C2012X7R1C334K	0.33	16	10%	1.25	.32	.25	.189	.109	2,000	.052
810-C2012X7R1C474K	C2012X7R1C474K	0.47	16	10%	1.25	.34	.25	.201	.116	2,000	.055
810-C2012X7R1E474K	C2012X7R1E474K	0.47	25	10%	1.25	.34	.25	.201	.116	2,000	.055

Style 1206

MOUSER STOCK NO.	TDK Part No.	Value (pF)	Volt (DC)	Tol.±	Dim. T (mm)	Price Each				Reel Qty.	Price Each
						1	50	100	500		
Temperature Coef: C0G (NP0)											
810-C3216C0G1H472J	C3216C0G1H472J	4700pF	50	5%	0.6	.68	.42	.252	.145	4,000	.069
810-C3216C0G1H103J	C3216C0G1H103J	10000pF	50	5%	0.85	.55	.49	.325	.187	2,000	.09
810-C3216C0G1H223J	C3216C0G1H223J	22000pF	50	5%	1.15	.88	.65	.52	.30	2,000	.144
Temperature Coef: X7R											
810-C3216X7R2A104K	C3216X7R2A104K	0.1	100	10%	1.6	.69	.49	.37	.16	2,000	.084
810-C3216X7R2A104M	C3216X7R2A104M	0.1	100	20%	1.6	.65	.49	.384	.221	2,000	.106
810-C3216X7R1H224K	C3216X7R1H224K	0.22	50	10%	1.6	.35	.26	.208	.12	2,000	.057
810-C3216X7R1H474K	C3216X7R1H474K	0.47	50	10%	1.6	.43	.35	.255	.14	2,000	.069

Style 1210

Temperature Coef: X7R											
810-C3225X7R2A474M	C3225X7R2A474M	0.47	100	20%	2	1.99	1.49	1.24	.72	1,000	.345

Ceramic Caps, SMD

TDK