

TDK Ceramic Chip Capacitors



RoHS Compliant This product is RoHS compliant.

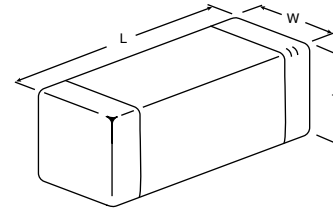
CGA SERIES AUTOMOTIVE GRADE CAPACITORS (CONT.)

Features:

- The CGA series consists of products that can be used for the power train, safety equipment, etc. of a vehicle
- Parts are manufactured using tested and stable manufacturing processes and are subjected to increased inspections to guarantee a higher level of reliability
- A monolithic structure ensures superior mechanical strength and reliability
- High Capacitance has been achieved through precision technologies that enable the use of multiple thinner ceramic dielectric layers
- High—accuracy automatic mounting is facilitated through the maintenance of very precise dimensional tolerances
- Low stray capacitance ensures high conformity with nominal values, thereby simplifying the circuit design process

Applications:

- Automotive applications
- High reliability requirement applications
- Harsh environment requirement applications
- Smart meter
- Base Stations
- Noise Bypass in automotive



CGA5 (EIA CC1206/JIS C3216) (Cont.)

MOUSER STOCK NO.		Value (pF)	Volt (DC)	Tol. ±	Dimensions: mm			Price Each				Reel Qty.	Price Per Piece
Mfr.	Mfr. Part No.				L	W	T	1	50	100	500		
Temperature Coef: X7R (Cont.)													
	810—CGA5L3X7R2E104K	.1µF	250	10	3.2	1.6	1.6	.62	.43	.325	.187	2000	.09
	810—CGA5L2X7R2A154K	.15µF	100	10	3.2	1.6	1.6	.43	.30	.227	.131	2000	.063
	810—CGA5H2X7R2A224K	.22µF	100	10	3.2	1.6	1.15	.43	.30	.227	.131	2000	.063
	810—CGA5K2X7R2A334K	.33µF	100	10	3.2	1.6	1.3	1.00	.70	.52	.30	2000	.144
	810—CGA5L2X7R1H474K	.47µF	50	10	3.2	1.6	1.6	.31	.21	.162	.093	2000	.045
	810—CGA5L2X7R2A474K	.47µF	100	10	3.2	1.6	1.6	1.00	.70	.52	.30	2000	.144
	810—CGA5L2X7R1H684K	.68µF	50	10	3.2	1.6	1.6	.47	.33	.247	.142	2000	.068
	810—CGA5L2X7R2A105K	1µF	100	10	3.2	1.6	1.6	1.25	.87	.65	.375	2000	.18
	810—CGA5L3X7R1H105K	1µF	50	10	3.2	1.6	1.6	.47	.33	.247	.142	2000	.068
	810—CGA5L2X7R1E155K	1.5µF	25	10	3.2	1.6	1.6	.50	.35	.26	.15	2000	.072
	810—CGA5L2X7R1E225K	2.2µF	25	10	3.2	1.6	1.6	.50	.35	.26	.15	2000	.072
	810—CGA5L1X7R1E335K	3.3µF	25	10	3.2	1.6	1.6	.62	.43	.325	.187	2000	.09
	810—CGA5L1X7R1E475K	4.7µF	25	10	3.2	1.6	1.6	.62	.43	.325	.187	2000	.09
	810—CGA5L1X7R1C685K	6.8µF	16	10	3.2	1.6	1.6	.87	.61	.455	.262	2000	.126

MOUSER STOCK NO.		Value (pF)	Volt (DC)	Tol. ±	Dimensions: mm			Price Each				Reel Qty.	Price Per Piece
Mfr.	Mfr. Part No.				L	W	T	1	50	100	500		
Temperature Coef: X8R													
	810—CGA5F2X8R2A333K	.033µF	100	10	3.2	1.6	0.85	.75	.52	.39	.225	4000	.108
	810—CGA5F2X8R2A473K	.047µF	100	10	3.2	1.6	0.85	.75	.52	.39	.225	4000	.108
	810—CGA5H2X8R2A683K	.068µF	100	10	3.2	1.6	1.15	.76	.53	.396	.228	2000	.11
	810—CGA5H2X8R2A104K	.1µF	100	10	3.2	1.6	1.15	.77	.54	.403	.232	2000	.112
	810—CGA5F2X8R1H154K	.15µF	50	10	3.2	1.6	0.85	.57	.40	.299	.172	4000	.083
	810—CGA5L2X8R2A154K	.15µF	100	10	3.2	1.6	1.6	.78	.55	.409	.236	2000	.113
	810—CGA5H2X8R1H224K	.22µF	50	10	3.2	1.6	1.15	.57	.40	.299	.172	2000	.083
	810—CGA5F2X8R1E334K	.33µF	25	10	3.2	1.6	0.85	.78	.55	.409	.236	4000	.113
	810—CGA5L2X8R1H334K	.33µF	50	10	3.2	1.6	1.6	.78	.55	.409	.236	2000	.113
	810—CGA5F2X8R1E474K	.47µF	25	10	3.2	1.6	0.85	.78	.55	.409	.236	4000	.113
	810—CGA5L2X8R1H474K	.47µF	50	10	3.2	1.6	1.6	.78	.55	.409	.236	2000	.113
	810—CGA5H2X8R1E684K	.68µF	25	10	3.2	1.6	1.15	.78	.55	.409	.236	2000	.113
	810—CGA5L2X8R1E105K	1µF	25	10	3.2	1.6	1.6	.78	.55	.409	.236	2000	.113

CGA6 (EIA CC1210/JIS C3225)

MOUSER STOCK NO.		Value (pF)	Volt (DC)	Tol. ±	Dimensions: mm			Price Each				Reel Qty.	Price Per Piece
Mfr.	Mfr. Part No.				L	W	T	1	50	100	500		
Temperature Coef: C0G													
	810—CGA6J4C0G2J392J	3900	630	5	3.2	2.5	1.25	2.25	1.57	1.17	.675	2000	.324
	810—CGA6L4C0G2J472J	4700	630	5	3.2	2.5	1.6	2.25	1.57	1.17	.675	2000	.324
	810—CGA6L4C0G2J562J	5600	630	5	3.2	2.5	1.6	2.50	1.75	1.30	.75	2000	.36
	810—CGA6M4C0G2J682J	6800	630	5	3.2	2.5	2.0	2.50	1.75	1.30	.75	2000	.32
	810—CGA6L3C0G2E103J	.01µF	250	5	3.2	2.5	1.6	3.12	2.18	1.62	.937	2000	.45
	810—CGA6J2C0G2A153J	.015µF	100	5	3.2	2.5	1.25	2.50	1.75	1.30	.75	2000	.36
	810—CGA6M3C0G2E153J	.015µF	250	5	3.2	2.5	2.0	3.12	2.18	1.62	.937	2000	.40
	810—CGA6J2C0G1H223J	.022µF	50	5	3.2	2.5	1.25	2.50	1.75	1.30	.75	2000	.36
	810—CGA6L2C0G2A223J	.022µF	100	5	3.2	2.5	1.6	2.50	1.75	1.30	.75	2000	.36
	810—CGA6L2C0G1H333J	.033µF	50	5	3.2	2.5	1.6	3.12	2.18	1.62	.937	2000	.45
	810—CGA6M2C0G2A333J	.033µF	100	5	3.2	2.5	2.0	3.12	2.18	1.62	.937	2000	.40
	810—CGA6M2C0G1H473J	.047µF	50	5	3.2	2.5	2.0	3.12	2.18	1.62	.937	2000	.40
	810—CGA6N2C0G2A473J	.047µF	100	5	3.2	2.5	2.3	3.12	2.18	1.62	.937	2000	.40
	810—CGA6M2C0G1H683J	.068µF	50	5	3.2	2.5	2.0	3.75	2.62	1.95	1.12	2000	.48
	810—CGA6P2C0G1H104J	.1µF	50	5	3.2	2.5	2.5	3.75	2.62	1.95	1.12	2000	.48
Temperature Coef: X7R													
	810—CGA6M4X7R2J473K	.047µF	630	10	3.2	2.5	2.0	1.25	.87	.65	.375	2000	.16
	810—CGA6M4X7R2J683K	.068µF	630	10	3.2	2.5	2.0	1.87	1.31	.975	.562	2000	.24
	810—CGA6M3X7R2E104K	.1µF	250	10	3.2	2.5	2.0	1.25	.87	.65	.375	2000	.16
	810—CGA6M3X7R2E154K	.15µF	250	10	3.2	2.5	2.0	1.37	.96	.715	.412	2000	.176
	810—CGA6M3X7R2E224K	.22µF	250	10	3.2	2.5	2.0	1.37	.96	.715	.412	2000	.176
	810—CGA6M2X7R2A334K	.33µF	100	10	3.2	2.5	2.0	1.62	1.13	.845	.487	2000	.208
	810—CGA6M2X7R2A474K	.47µF	100	10	3.2	2.5	2.0	1.75	1.22	.91	.525	2000	.224
	810—CGA6L2X7R2A684K	.68µF	100	10	3.2	2.5	1.6	2.00	1.40	1.04	.60	2000	.256
	810—CGA6L2X7R1H105K	1µF	50	10	3.2	2.5	1.6	.56	.39	.292	.168	2000	.081
	810—CGA6M2X7R2A105K	1µF	100	10	3.2	2.5	2.0	2.00	1.40	1.04	.60	2000	.256

MOUSER STOCK NO.		Value (pF)	Volt (DC)	Tol. ±	Dimensions: mm			Price Each				Reel Qty.	Price Per Piece
Mfr.	Mfr. Part No.				L	W	T	1	50	100	500		
Temperature Coef: X7R (Cont.)													
	810—CGA6M2X7R1H155K	1.5µF	50	10	3.2	2.5	2.0	1.00	.70	.52	.30	2000	.128
	810—CGA6M3X7R1H225K	2.2µF	50	10	3.2	2.5	2.0	1.00	.70	.52	.30	2000	.128
	810—CGA6N3X7R2A225K	2.2µF	100	10	3.2	2.5	2.3	2.62	1.83	1.36	.787	2000	.336
	810—CGA6L2X7R1E335K	3.3µF	25	10	3.2	2.5	1.6	.68	.48	.357	.206	2000	.099
	810—CGA6P3X7R1H335K	3.3µF	50	10	3.2	2.5	2.5	1.06	.74	.552	.318	2000	.136
	810—CGA6M2X7R1E475K	4.7µF	25	10	3.2	2.5	2.0	.75	.52	.390	.225	2000	.096
	810—CGA6P3X7R1H475K	4.7µF	50	10	3.2	2.5	2.5	.69	.532	.484	.44	1000	.405
	810—CGA6M3X7R1C106K	10µF	16	10	3.2	2.5	2.0	.55	.424	.385	.35	1000	.298
	810—CGA6P1X7R1E106K	10µF	25	10	3.2	2.5	2.5	.63	.484	.44	.40	1000	.34
	810—CGA6M3X7R1C106K	10µF	16	20	3.2	2.5	2.0	1.62	1.13	.845	.487	2000	.208
	810—CGA6P1X7R1E106K	10µF	25	20	3.2	2.5	2.5	1.87	1.31	.975	.562	2000	.24
	810—CGA6P3X7R1C156M	15µF	16	20	3.2	2.5	2.5	3.12	2.18	1.62	.937	2000	.40
	810—CGA6P1X7R1C226M	22µF	16	20	3.2	2.5	2.5	3.12	2.18	1.62	.937	2000	.40
	810—CGA6P3X7R1E685K	68µF	25	10	3.2	2.5	2.5	1.37	.96	.715	.412	2000	.176
Temperature Coef: X7S													
	810—CGA6N3X7S1H475K	4.7µF	50	10	3.2	2.5	2.3	.63	.484	.44	.40	1000	.368
	810—CGA6M3X7S2A475K	4.7µF	100	10	3.2	2.5	2.0	1.23	1.05	.87	.81	1000	.45
	810—CGA6P3X7S1H685K	6.8µF	50	10	3.2	2.5	2.5	1.02	.875	.725	.675	1000	.375
	810—CGA6P3X7S1H106K	10µF	50	10	3.2	2.5	2.5	.69	.532	.484	.44	1000	.405
Temperature Coef: X7T													
	810—CGA6M4X7T2W224K	.22µF	450	10	3.2	2.5	2.0	.80	.60	.396	.36	1000	.204
Temperature Coef: X8R													
	810—CGA6L2X8R1E155K	1.5µF	25	10	3.2	2.5	1.6	1.62	1.13	.845	.487	2000	.234
	810—CGA6M2X8R1E225K	2.2µF	25										