

TDK Ceramic Chip Capacitors



RoHS Compliant This product is RoHS compliant.

CGA SERIES AUTOMOTIVE GRADE CAPACITORS

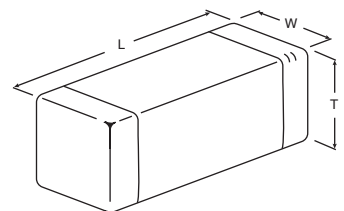
Features:

- 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

Dimensions: mm			
	L	W	T
CGA2	1.0	0.5	0.5
CGA3	1.6	0.8	0.8



CGA2 (EIA CC0402/JIS C1005)

For quantities greater than listed, call for quote.

MOUSER STOCK NO.	Value (pF)	Volt (DC)	Tol. ±	Price Each				Reel Qty.	Price Per Piece
				1	50	100	500		
Temperature Coef: C0G									
810—CGA2B2C0G1H010C	1	50	±25pF	.09	.04	.032	.018	10000	.009
810—CGA2B2C0G1H1R5C	1.5	50	±25pF	.09	.04	.032	.018	10000	.009
810—CGA2B2C0G1H020C	2	50	±25pF	.09	.04	.032	.018	10000	.009
810—CGA2B2C0G1H2R2C	2.2	50	±25pF	.09	.04	.032	.018	10000	.009
810—CGA2B2C0G1H030C	3	50	±25pF	.09	.04	.032	.018	10000	.009
810—CGA2B2C0G1H3R3C	3.3	50	±25pF	.09	.04	.032	.018	10000	.009
810—CGA2B2C0G1H040C	4	50	±25pF	.09	.04	.032	.018	10000	.009
810—CGA2B2C0G1H4R7C	4.7	50	±25pF	.09	.04	.032	.018	10000	.009
810—CGA2B2C0G1H050C	5	50	±25pF	.09	.04	.032	.018	10000	.009
810—CGA2B2C0G1H060D	6	50	±50pF	.09	.04	.032	.018	10000	.009
810—CGA2B2C0G1H6R8D	6.8	50	±50pF	.09	.04	.032	.018	10000	.009
810—CGA2B2C0G1H070D	7	50	±50pF	.09	.04	.032	.018	10000	.009
810—CGA2B2C0G1H080D	8	50	±50pF	.09	.04	.032	.018	10000	.009
810—CGA2B2C0G1H090D	9	50	±50pF	.09	.04	.032	.018	10000	.009
810—CGA2B2C0G1H100D	10	50	±50pF	.09	.04	.032	.018	10000	.009
810—CGA2B2C0G1H120J	12	50	5%	.09	.03	.029	.016	10000	.008
810—CGA2B2C0G1H150J	15	50	5%	.09	.03	.029	.016	10000	.008
810—CGA2B2C0G1H180J	18	50	5%	.09	.03	.029	.016	10000	.008
810—CGA2B2C0G1H220J	22	50	5%	.09	.03	.029	.016	10000	.008
810—CGA2B2C0G1H270J	27	50	5%	.09	.03	.029	.016	10000	.008
810—CGA2B2C0G1H330J	33	50	5%	.09	.03	.029	.016	10000	.008
810—CGA2B2C0G1H390J	39	50	5%	.09	.03	.029	.016	10000	.008
810—CGA2B2C0G1H470J	47	50	5%	.09	.03	.029	.016	10000	.008
810—CGA2B2C0G1H560J	56	50	5%	.09	.03	.029	.016	10000	.008
810—CGA2B2C0G1H680J	68	50	5%	.09	.03	.029	.016	10000	.008
810—CGA2B2C0G1H820J	82	50	5%	.09	.03	.029	.016	10000	.008
810—CGA2B2C0G1H101J	100	50	5%	.09	.03	.029	.016	10000	.008
810—CGA2B2C0G1H121J	120	50	5%	.09	.03	.029	.016	10000	.008
810—CGA2B2C0G1H151J	150	50	5%	.09	.03	.029	.016	10000	.008
810—CGA2B2C0G1H181J	180	50	5%	.09	.03	.029	.016	10000	.008
810—CGA2B2C0G1H221J	220	50	5%	.09	.03	.029	.016	10000	.008
810—CGA2B2C0G1H271J	270	50	5%	.09	.03	.029	.016	10000	.008
810—CGA2B2C0G1H331J	330	50	5%	.09	.03	.029	.016	10000	.008
810—CGA2B2C0G1H391J	390	50	5%	.09	.04	.032	.018	10000	.009
810—CGA2B2C0G1H471J	470	50	5%	.09	.04	.032	.018	10000	.009
810—CGA2B2C0G1H561J	560	50	5%	.20	.128	.057	.041	10000	.02
810—CGA2B2C0G1H681J	680	50	5%	.20	.128	.057	.041	10000	.02
810—CGA2B2C0G1H821J	820	50	5%	.22	.141	.063	.045	10000	.022
810—CGA2B2C0G1H102J	1000	50	5%	.22	.141	.063	.045	10000	.022
810—CGA2B1X5R1C224K	.22µF	16	10%	.09	.024	.022	.02	10000	.017

CGA2 (EIA CC0402/JIS C1005) (Cont.)

For quantities greater than listed, call for quote.

MOUSER STOCK NO.	Value (pF)	Volt (DC)	Tol. ±	Price Each				Reel Qty.	Price Per Piece
				1	50	100	500		
Temperature Coef: X8R (Cont.)									
810—CGA2B2X8R1H681K	680	50	10%	.13	.09	.071	.041	10000	.02
810—CGA2B2X8R1H102K	1000	50	10%	.13	.09	.071	.041	10000	.02
810—CGA2B2X8R1H152K	1500	50	10%	.16	.11	.084	.048	10000	.023
810—CGA2B2X8R1H222K	2200	50	10%	.16	.11	.084	.048	10000	.023
810—CGA2B2X8R1H332K	3300	50	10%	.16	.11	.084	.048	10000	.023
810—CGA2B2X8R1H472K	4700	50	10%	.16	.11	.084	.048	10000	.023
810—CGA2B2X8R1E682K	6800	25	10%	.17	.12	.091	.052	10000	.025
810—CGA2B2X8R1E103K	.01µF	25	10%	.17	.12	.091	.052	10000	.025

CGA3 (EIA CC0603/JIS C1608)

MOUSER STOCK NO.	Value (pF)	Volt (DC)	Tol. ±	Price Each				Reel Qty.	Price Per Piece
				1	50	100	500		
Temperature Coef: C0G									
810—CGA3E2C0G1H010C	1	50	±25pF	.09	.05	.039	.022	4000	.011
810—CGA3E2C0G1H1R5C	1.5	50	±25pF	.09	.05	.039	.022	4000	.011
810—CGA3E2C0G1H020C	2	50	±25pF	.09	.05	.039	.022	4000	.011
810—CGA3E2C0G1H2R2C	2.2	50	±25pF	.09	.05	.039	.022	4000	.011
810—CGA3E2C0G1H030C	3	50	±25pF	.09	.05	.039	.022	4000	.011
810—CGA3E2C0G1H3R3C	3.3	50	±25pF	.09	.05	.039	.022	4000	.011
810—CGA3E2C0G1H040C	4	50	±25pF	.09	.05	.039	.022	4000	.011
810—CGA3E2C0G1H4R7C	4.7	50	±25pF	.09	.05	.039	.022	4000	.011
810—CGA3E2C0G1H050C	5	50	±25pF	.09	.05	.039	.022	4000	.011
810—CGA3E2C0G1H060D	6	50	±50pF	.09	.05	.039	.022	4000	.011
810—CGA3E2C0G1H6R8D	6.8	50	±50pF	.09	.05	.039	.022	4000	.011
810—CGA3E2C0G1H070D	7	50	±50pF	.09	.05	.039	.022	4000	.011
810—CGA3E2C0G1H080D	8	50	±50pF	.09	.05	.039	.022	4000	.011
810—CGA3E2C0G1H090D	9	50	±50pF	.09	.05	.039	.022	4000	.011
810—CGA3E2C0G1H100D	10	50	±50pF	.09	.03	.029	.016	4000	.008
810—CGA3E2C0G1H120J	12	50	5%	.09	.03	.029	.016	4000	.008
810—CGA3E2C0G1H150J	15	50	5%	.09	.03	.029	.016	4000	.008
810—CGA3E2C0G1H180J	18	50	5%	.09	.03	.029	.016	4000	.008
810—CGA3E2C0G1H220J	22	50	5%	.09	.03	.029	.016	4000	.008
810—CGA3E2C0G1H270J	27	50	5%	.09	.03	.029	.016	4000	.008
810—CGA3E2C0G1H330J	33	50	5%	.09	.03	.029	.016	4000	.008
810—CGA3E2C0G1H390J	39	50	5%	.09	.03	.029	.016	4000	.008
810—CGA3E2C0G1H470J	47	50	5%	.09	.03	.029	.016	4000	.008
810—CGA3E2C0G1H560J	56	50	5%	.09	.03	.029	.016	4000	.008
810—CGA3E2C0G1H680J	68	50	5%	.09	.03	.029	.016	4000	.008
810—CGA3E2C0G1H820J	82	50	5%	.09	.03	.029	.016	4000	.008
810—CGA3E2C0G1H102J	100	50	5%	.09	.03	.029	.016	4000	.008
810—CGA3E2C0G2A101J	100	100	5%	.09	.04	.035	.02	4000	.01
810—CGA3E3C0G2E101J	100	250	5%	.09	.06	.048	.028	4000	.014
810—CGA3E2C0G1H121J	120	50	5%	.09	.05	.039	.022	4000	.011
810—CGA3E2C0G2A121J	120	100	5%	.09	.05	.042	.024	4000	.012
810—CGA3E3C0G2E121J	120	250	5%	.10	.07	.052	.03	4000	.014
810—CGA3E2C0G1H151J	150	50	5%	.09	.05	.039	.022	4000	.011
810—CGA3E2C0G2A151J	150	100	5%	.09	.05	.042	.024	4000	.012
810—CGA3E3C0G2E151J	150	250	5%	.10	.07	.052	.03	4000	.014
810—CGA3E2C0G1H181J	180	50	5%	.09	.05	.039	.022	4000	.011
810—CGA3E2C0G2A181J	180	100	5%	.10	.07	.055	.031	4000	.015
810—CGA3E3C0G2E181J	180	250	5%	.11	.07	.058	.033	4000	.016
810—CGA3E2C0G1H221J	220	50	5%	.09	.05	.039	.022	4000	.011
810—CGA3E2C0G2A221J	220	100	5%	.10	.07	.055	.031	4000	.015
810—CGA3E3C0G2E221J	220	250	5%	.11	.07	.058	.033	4000	.016
810—CGA3E2C0G1H271J	270	50	5%	.09	.06	.045	.026	4000	.013
810—CGA3E2C0G2A271J	270	100	5%	.11	.08	.061	.035	4000	.017
810—CGA3E3C0G2E271J	270	250	5%	.12	.08	.065	.037	4000	.018
810—CGA3E2C0G1H331J	330	50	5%	.09	.06	.045	.026	4000	.013
810—CGA3E2C0G2A331J	330	100	5%	.11	.08	.061	.035	4000	.017
810—CGA3E3C0G2E331J	330	250	5%	.12	.08	.065	.037	4000	.018
810—CGA3E2C0G1H391J	390								