TDK Ceramic Chip Capacitors

RoHS Compliant This product is RoHS compliant.

CGA SERIES AUTOMOTIVE GRADE CAPACITORS (CONT.)

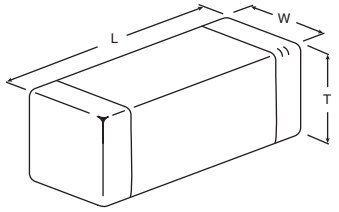
Features:

- 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

Dimensions: mm			
	L	W	T
CGA3	1.6	0.8	0.8



CGA3 (EIA CC0603/JIS C1608) (Cont.)

For quantities greater than listed, call for quote.

MOUSER STOCK NO.	Value	Volt	Tol.	Price Each				Reel	Price Per
Mfr. Mfr. Part No.	(pF)	(DC)	±	1	50	100	500	Qty.	Piece
Temperature Coef: C0G (Cont.)									
810—CGA3E2C0G1H392J	3900	50	5	.27	.19	.106	.082	4000	.046
810—CGA3E2C0G1H472J	4700	50	5	.27	.19	.106	.082	4000	.046
810—CGA3E2C0G1H562J	5600	50	5	.33	.228	.127	.099	4000	.056
810—CGA3E2C0G1H682J	6800	50	5	.33	.228	.127	.099	4000	.056
810—CGA3E2C0G1H822J	8200	50	5	.38	.266	.148	.115	4000	.065
810—CGA3E2C0G1H103J	.01µF	50	5	.38	.266	.148	.115	4000	.065
Temperature Coef: X5R									
810—CGA3E3X5R1H105K	1µF	50	10	.09	.061	.055	.05	4000	.043
810—CGA3E1X5R1C225K	2.2µF	16	10	.30	.20	.10	.068	4000	.04
810—CGA3E1X5R1A335K	3.3µF	10	10	.10	.08	.073	.066	4000	.057
810—CGA3E1X5R0J475K	4.7µF	6.3	10	.36	.24	.12	.081	4000	.048
Temperature Coef: X7R									
810—CGA3E2X7R1H331K	330	50	10	.07	.047	.019	.014	4000	.007
810—CGA3E2X7R1H471K	470	50	10	.07	.047	.019	.014	4000	.007
810—CGA3E2X7R1H681K	680	50	10	.07	.047	.019	.014	4000	.007
810—CGA3E2X7R1H102K	1000	50	10	.09	.02	.019	.011	4000	.005
810—CGA3E2X7R2A102K	1000	100	10	.09	.04	.032	.018	4000	.009
810—CGA3E2X7R1H152K	1500	50	10	.07	.047	.019	.014	4000	.007
810—CGA3E2X7R2A152K	1500	100	10	.09	.04	.032	.018	4000	.009
810—CGA3E2X7R1H222K	2200	50	10	.09	.02	.019	.011	4000	.005
810—CGA3E2X7R2A222K	2200	100	10	.09	.04	.032	.018	4000	.009
810—CGA3E2X7R1H332K	3300	50	10	.07	.047	.019	.014	4000	.007
810—CGA3E2X7R2A332K	3300	100	10	.09	.04	.032	.018	4000	.009
810—CGA3E2X7R1H472K	4700	50	10	.09	.02	.019	.011	4000	.005
810—CGA3E2X7R2A472K	4700	100	10	.09	.04	.035	.02	4000	.01
810—CGA3E2X7R1H682K	6800	50	10	.07	.047	.019	.014	4000	.007
810—CGA3E2X7R2A682K	6800	100	10	.09	.05	.039	.022	4000	.011
810—CGA3E2X7R1H103K	.01µF	50	10	.09	.02	.019	.011	4000	.005
810—CGA3E2X7R2A103K	.01µF	100	10	.09	.04	.035	.02	4000	.01
810—CGA3E2X7R1H153K	.015µF	50	10	.12	.078	.032	.024	4000	.012
810—CGA3E2X7R2A153K	.015µF	100	10	.09	.06	.045	.026	4000	.013
810—CGA3E2X7R1H223K	.022µF	50	10	.09	.04	.032	.018	4000	.009
810—CGA3E2X7R2A223K	.022µF	100	10	.09	.06	.048	.028	4000	.014
810—CGA3E2X7R1H333K	.033µF	20	10	.15	.094	.039	.028	4000	.014
810—CGA3E2X7R1H473K	.047µF	50	10	.09	.05	.039	.022	4000	.011
810—CGA3E2X7R1H683K	.068µF	50	10	.09	.06	.045	.026	4000	.013
810—CGA3E2X7R1E104K	.1µF	25	10	.09	.03	.029	.016	4000	.008
810—CGA3E2X7R1H104K	.1µF	50	10	.09	.05	.039	.022	4000	.011
810—CGA3E2X7R1E154K	.15µF	25	10	.09	.06	.045	.026	4000	.013
810—CGA3E3X7R1H154K	.15µF	50	10	.30	.20	.10	.068	4000	.04
810—CGA3E2X7R1C224K	.22µF	16	10	.11	.07	.058	.033	4000	.016
810—CGA3E1X7R1E224K	.22µF	25	10	.12	.08	.065	.037	4000	.018
810—CGA3E3X7R1H224K	.22µF	50	10	.27	.18	.09	.061	4000	.036
810—CGA3E1X7R1C334K	.33µF	16	10	.12	.08	.065	.037	4000	.018
810—CGA3E1X7R1V334K	.33µF	35	10	.27	.19	.106	.082	4000	.046
810—CGA3E1X7R1C474K	.47µF	16	10	.13	.09	.071	.041	4000	.02
810—CGA3E3X7R1E474K	.47µF	25	10	.22	.15	.075	.051	4000	.03
810—CGA3E1X7R1V474K	.47µF	35	10	.27	.19	.106	.082	4000	.046
810—CGA3E1X7R1C684K	.68µF	16	10	.16	.11	.084	.048	4000	.023
810—CGA3E1X7R1E684K	.68µF	25	10	.27	.19	.106	.082	4000	.046
810—CGA3E1X7R1E105K	2µF	25	10	.27	.19	.106	.082	4000	.046
810—CGA3E1X7R0J225K	2.2µF	6.3	10	.30	.20	.10	.068	4000	.04
Temperature Coef: X7S									
810—CGA3E3X7S2A333K	.033µF	100	10	.22	.15	.075	.051	4000	.03
810—CGA3E3X7S2A473K	.047µF	100	10	.22	.15	.075	.051	4000	.03
810—CGA3E3X7S2A683K	.068µF	100	10	.22	.15	.075	.051	4000	.03
810—CGA3E3X7S2A104K	.1µF	100	10	.22	.15	.075	.051	4000	.03
Temperature Coef: X8R									
810—CGA3E2X8R1H102K	1000	50	10	.11	.08	.061	.035	4000	.017
810—CGA3E2X8R2A102K	1000	100	10	.12	.08	.065	.037	4000	.018
810—CGA3E2X8R1H152K	1500	50	10	.13	.09	.068	.039	4000	.019
810—CGA3E2X8R2A152K	1500	100	10	.15	.10	.078	.045	4000	.022
810—CGA3E2X8R1H222K	2200	50	10	.11	.08	.061	.035	4000	.017
810—CGA3E2X8R2A222K	2200	100	10	.13	.09	.068	.039	4000	.019
810—CGA3E2X8R1H332K	3300	50	10	.13	.09	.068	.039	4000	.019
810—CGA3E2X8R2A332K	3300	100	10	.15	.10	.078	.045	4000	.022
810—CGA3E2X8R1H472K	4700	50	10	.11	.08	.061	.035	4000	.017
810—CGA3E2X8R2A472K	4700	100	10	.13	.09	.068	.039	4000	.019
810—CGA3E2X8R1H682K	6800	50	10	.13	.09	.068	.039	4000	.019
810—CGA3E2X8R2A682K	6800	100	10	.16	.11	.084	.048	4000	.023
810—CGA3E2X8R1H103K	.01µF	50	10	.12	.08	.065	.037	4000	.018
810—CGA3E2X8R2A103K	.01µF	100	10	.12	.08	.065	.037	4000	.018
810—CGA3E2X8R1H153K	.015µF	50	10	.13	.09	.071	.041	4000	.02
810—CGA3E2X8R2A153K	.015µF	100	10	.16	.11	.084	.048	4000	.023
810—CGA3E2X8R1H223K	.022µF	50	10	.13	.09	.071	.041	4000	.02
810—CGA3E2X8R1H333K	.033µF	50	10	.13	.09	.071	.041	4000	.02
810—CGA3E2X8R1H473K	.047µF	50	10	.13	.09	.071	.041	4000	.02
810—CGA3E2X8R1E683K	.068µF	25	10	.13	.09	.071	.041	4000	.02
810—CGA3E2X8R1E104K	.1µF	25	10	.13	.09	.071	.041	4000	.02

CGA4 (EIA CC0805/JIS C2012)

For quantities greater than listed, call for quote.

MOUSER STOCK NO.	Value	Volt	Tol.	Dimensions: mm			Price Each				Reel	Price Per
Mfr. Mfr. Part No.	(pF)	(DC)	±	L	W	T	1	50	100	500	Qty.	Piece
Temperature Coef: C0G												
810—CGA4C2C0G1H101J	100	50	5	2.0	1.25	0.6	.17	.11	.045	.033	4000	.016
810—CGA4C2C0G2A101J	100	100	5	2.0	1.25	0.6	.16	.103	.046	.032	4000	.017
810—CGA4C2C0G2A221J	220	100	5	2.0	1.25	0.6	.18	.115	.051	.036	4000	.019
810—CGA4C2C0G2A471J	470	100	5	2.0	1.25	0.6	.20	.128	.057	.041	4000	.022
810—CGA4C3C0G2E821J	820	250	5	2.0	1.25	0.6	.21	.14	.11	.063	4000	.031
810—CGA4C2C0G1H102J	1000	50	5	2.0	1.25	0.6	.24	.154	.069	.049	4000	.026
810—CGA4C2C0G2A102J	1000	100	5	2.0	1.25	0.6	.18	.13	.097	.056	4000	.027
810—CGA4F3C0G2E102J	1000	250	5	2.0	1.25	0.85	.21	.14	.11	.063	4000	.031
810—CGA4C2C0G2A122J	1200	100	5	2.0	1.25	0.6	.19	.13	.10	.058	4000	.028
810—CGA4F3C0G2E122J	1200	250	5	2.0	1.25	0.85	.22	.15	.117	.067	4000	.032
810—CGA4C2C0G2A152J	1500	100	5	2.0	1.25	0.6	.19	.13	.10	.058	4000	.028
810—CGA4F3C0G2E152J	1500	250	5	2.0	1.25	0.85	.22	.15	.117	.067	2000	.039
810—CGA4F2C0G2A182J	1800	100	5	2.0	1.25	0.85	.20	.14	.104	.06	4000	.029
810—CGA4J3C0G2E182J	1800	250	5	2.0	1.25	1.25	.25	.17	.13	.075	2000	.036
810—CGA4C2C0G1H222J	2200	50	5	2.0	1.25	0.6	.27	.18	.09	.061	4000	.036
810—CGA4F2C0G2A222J	2200	100	5	2.0	1.25	0.85	.20	.14	.104	.06	4000	.029
810—CGA4J3C0G2E222J	2200	250	5	2.0	1.25	1.25	.25	.17	.13	.075	2000	.036
810—CGA4C2C0G1H272J	2700	50	5	2.0	1.25	0.6	.22	.15	.117	.067	4000	.032
810—CGA4J2C0G2A272J	2700	100	5	2.0	1.25	1.25	.26	.18	.139	.08	2000	.039
810—CGA4J3C0G2E272J	2700	250	5	2.0	1.25	1.25	.28	.20	.149	.086	2000	.041
810—CGA4C2C0G1H332J	3300	50	5	2.0	1.25	0.6	.22	.15	.117	.067	4000	.032
810—CGA4J2C0G2A332J	3300	100	5	2.0	1.25	1.25	.26	.18	.139	.08	2000	.039
810—CGA4C2C0G1H392J	3900	50	5	2.0	1.25	0.6	.30	.20	.10	.068	4000	.04
810—CGA4F2C0G1H392J	3900	50	5	2.0	1.25	0.85	.25	.17	.13	.075	4000	.036
810—CGA4J2C0G2A392J	3900	100	5	2.0	1.25	1.25	.34	.24	.178	.103	2000	.05
810—CGA4C2C0G1H472J	4700	50	5	2.0	1.25	0.6	.30	.20	.10	.068	4000	.04
810—CGA4F2C0G1H472J	4700	50	5	2.0	1.25	0.85	.25	.17	.13	.075	4000	.036
810—CGA4J2C0G2A472J	4700	100	5	2.0	1.25	1.25	.34	.24	.178	.103	2000	.05
810—CGA4C2C0G1H562J	5600	50	5	2.0	1.25	0.6	.27	.19	.106	.082	4000	.046
810—CGA4F2C0G1H562J	5600	50	5	2.0	1.25	0.85	.31	.21	.162	.093	4000	.045
810—CGA4C2C0G1H682J	6800	50	5	2.0	1.25	0.6	.27	.19	.106	.082	4000	.046
810—CGA4J2C0G1H682J	6800	50	5	2.0	1.25	1.25	.31	.21	.162	.093	2000	.045
810—CGA4C2C0G1H822J	8200	50	5	2.0	1.25	0.6	.36	.251	.14	.108	4000	.061
810—CGA4J2C0G1H822J	8200	50	5	2.0	1.25	1.25	.41	.28	.214	.123	2000	.059
810—CGA4C2C0G1H103J	.01µF	50	5	2.0	1.25	0.6	.36	.251	.14	.108	4000	.061
810—CGA4J2C0G1H103J	.01µF	50	5	2.0	1.25	1.25	.41	.28	.214	.123	2000	.059
810—CGA4F2C0G1H153J	.015µF	50	5	2.0	1.25	0.6	.33	.241	.15	.128	4000	.068
810—CGA4J2C0G1H223J	.022µF	50	5	2.0	1.25	1.25	.33	.241	.15	.128	2000	.072
810—CGA4J2C0G1H333J	.033µF	50	5	2.0	1.25	1.25	.37	.271	.168	.144	2000	.081
Temperature Coef: X5R												
810—CGA4J3X5R1H225K	2.2µF	50	10	3.2	1.6	1.25	.28	.218	.198	.18	2000	.156
810—CGA4J3X5R1H335K	3.3µF	50	10	3.2	1.6	1.25	.35	.266	.242	.22	2000	.19
810—CGA4J3X5R1H475K	4.7µF	50	10	3.2	1.6	1.25	.35	.266	.242	.22	2000	.19
810—CGA4J3X5R1A106K	10µF	10	10	2.0	1.25	1.25	.41	.301	.187	.16	2000	.09
810—CGA4J1X5R1C106K	10µF	16	10	3.2	1.6	1.25	.19	.145	.132	.12	2000	.103
Temperature Coef: X7R												
810—CGA4J3X7R2E682K	6800	250	10	2.0	1.25	1.25	.22	.15	.117	.067	2000	.032
810—CGA4J3X7R2E103K	.01µF	250	10	2.0	1.25	1.25	.18	.13	.097	.056	2000	.027
810—CGA4J2X7R2A153K	.015µF	100	10	2.0	1.25	1.25	.16	.11	.084	.048	2000	.023
810—CGA4J3X7R2E153K	.015µF	250	10	2.0	1.25	1.25	.25	.17	.13	.075	2000	.036
810—CGA4J2X7R2A223K	.022µF	100	10	2.0	1.25	1.25	.16	.11	.084	.048	2000	.023
810—CGA4J3X7R2E223K	.022µF	250	10	2.0	1.25	1.25	.25	.17	.13	.075	2000	.036
810—CGA4J2X7R2A333K	.033µF	100	10	2.0	1.25	1.25	.20	.14	.104	.06	2000	.029
810—CGA4J2X7R2A473K	.047µF	100	10	2.0	1.25	1.25	.20	.14	.104	.06	2000	.029
810—CGA4J2X7R1H104K	.1µF	50	10	2.0	1.25	1.25	.24	.154	.069	.049	2000	.028
810—CGA4J2X7R2A104K	.1µF	100	10	2.0	1.25	1.25	.20	.14	.104	.06	2000	.029
810—CGA4J2X7R1H154K	.15µF	50	10	2.0	1.25	1.25	.26	.18	.136	.078	2000	.038
810—CGA4J2X7R1E224K	.22µF	25	10	2.0	1.25	1.25	.27	.18	.09	.061	2000	.04
810—CGA4J2X7R1H224K	.22µF	50	10	2.0	1.25	1.25	.26	.18	.136	.078	2000	.038
810—CGA4J2X7R1H334K	.33µF	50	10	2.0	1.25	1.25	.31	.21	.162	.093	2000	.045
810—CGA4J2X7R1C474K	.47µF	16	10	2.0	1.25	1.25	.27	.18	.09	.061	2000	.04
810—CGA4J2X7R1E474K	.47µF	25	10	2.0	1.25	1.25	.22	.15	.117	.067	2000	.032
810—CGA4J3X7R1H474K	.47µF	50	10	2.0	1.25	1.25	.33	.228	.127	.099	2000	.06
810—CGA4J2X7R1C684K	.68µF	16	10	2.0	1.25	1.25	.22	.15	.117	.067	2000	.032
810—CGA4J3X7R1E684K	.68µF	25	10	2.0	1.25	1.25	.25	.17	.13	.075	2000	.036
810—CGA4J3X7R1H684K	.68µF	50	10	2.0	1.25	1.25	.45	.331	.206	.176	2000	.099
810—CGA4J2X7R1C105K	1µF	16	10	2.0	1.25	1.25	.20	.14	.104	.06	2000	.029
810—CGA4J3X7R1E105K	1µF	25	10	2.0	1.25	1.25	.22	.15	.117	.067	2000	.032
810—CGA4J3X7R1V105K	1µF	35	10	2.0	1.25	1.25	.38	.266	.148	.115	2000	.07
810—CGA4J3X7R1H105K	1µF	50	10	2.0	1.25	1.25	.45	.331	.206	.176	2000	.099
810—CGA4J3X7R1C155K	1.5µF	16	10	2.0	1.25	1.25	.40	.28	.208	.12	2000	.058
810—CGA4J3X7R1E225K	2.2µF	25	10	2.0	1.25	1.25	.53	.40	.264	.24	2000	.128
810—CGA4J1X7R1V225K	2.2µF	35	10	2.0	1.25	1.25	.53	.40	.264	.24	2000	.128
810—CGA4J1X7R1E335K	3.3µF	25	10	2.0	1.25	1.25	.53	.40	.264	.24	2000	.128
810—CGA4J3X7R1C475K	4.7µF	16	10	2.0	1.25	1.25	.34	.253	.157	.134	2000	.076
810—CGA4J1X7R1E475K	4.7µF	25	10	2.0	1.25	1.25	.53	.40	.264	.24	2000	.128
810—CGA4J1X7R0J106K	10µF	10	10	2.0	1.25	1.25	.41	.301	.187	.16	2000	.09
810—CGA4J3X7R1C225K	2.2µF	16	10	2.0	1.25	1.25	.40	.28	.208	.12	2000	.058