

TDK Ceramic Chip Capacitors



RoHS Compliant This product is RoHS compliant.

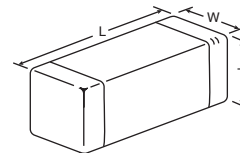
CGA SERIES AUTOMOTIVE GRADE CAPACITORS (CONT.)

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



CGA6 (EIA CC1210/JIS C3225) (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: 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	10	3.2	2.5	2.0	1.62	1.13	.845	.487	2000	.208
810	CGA6P2X8R1E335K	3.3µF	25	10	3.2	2.5	2.5	1.62	1.13	.845	.487	2000	.208

CGA8 (EIA CC1812/JIS C4532) (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	CGA8N3X7R2E224K	.22µF	250	10	4.5	3.2	2.3	.40	.306	.278	.253	1000	.233
810	CGA8N3X7R2E334K	.33µF	250	10	4.5	3.2	2.3	.41	.319	.29	.264	1000	.243
810	CGA8N3X7R2E474K	.47µF	250	10	4.5	3.2	2.3	.48	.373	.339	.308	1000	.283
810	CGA8L4X7R2J683K	.068µF	630	10	4.5	3.2	1.6	.41	.319	.29	.264	1000	.243
810	CGA8N4X7R2J104K	.1µF	630	10	4.5	3.2	2.3	.41	.319	.29	.264	1000	.243
Temperature Coef: X7S													
810	CGA8N3X7S2A475K	4.7µF	100	10	4.5	3.2	2.3	1.21	.932	.847	.77	1000	.708
Temperature Coef: X7T													
810	CGA8L3X7T2E684K	.68µF	250	10	4.5	3.2	1.60	.90	.692	.629	.572	1000	.526
810	CGA8P3X7T2E105K	1µF	250	10	4.5	3.2	2.50	.90	.692	.629	.572	1000	.526
810	CGA8L4X7T2W334K	.33µF	450	10	4.5	3.2	1.60	.90	.692	.629	.572	1000	.526
810	CGA8N4X7T2W474K	.47µF	450	10	4.5	3.2	2.30	.90	.692	.629	.572	1000	.526
810	CGA8L1X7T2J154K	.15µF	630	10	4.5	3.2	1.60	.90	.692	.629	.572	1000	.526
810	CGA8M1X7T2J224K	.22µF	630	10	4.5	3.2	2.00	.90	.692	.629	.572	1000	.526

CGA8 (EIA CC1812/JIS C4532)

Temperature Coef: C0G													
810	CGA8L2C0G1H473J	.047µF	50	5	4.5	3.2	1.6	.93	.718	.653	.594	1000	.546
810	CGA8L2C0G1H683J	.063µF	50	5	4.5	3.2	1.6	.93	.718	.653	.594	1000	.546
810	CGA8M2C0G1H104J	.1µF	50	5	4.5	3.2	2.0	.93	.718	.653	.594	1000	.546
810	CGA8P2C0G1H154J	.15µF	50	5	4.5	3.2	2.5	1.21	.932	.847	.77	1000	.708
810	CGA8R2C0G1H224J	.22µF	50	5	4.5	3.2	3.2	1.21	.932	.847	.77	1000	.708
810	CGA8R3C0G2A473J	.047µF	100	5	4.5	3.2	2.0	1.21	.932	.847	.77	1000	.708
810	CGA8P2C0G2A683J	.063µF	100	5	4.5	3.2	2.5	1.31	1.01	.92	.836	1000	.769
810	CGA8R2C0G2A104J	.1µF	100	5	4.5	3.2	3.2	1.28	.985	.895	.814	1000	.749
810	CGA8L3C0G2E223J	.022µF	250	5	4.5	3.2	1.6	1.76	1.35	1.23	1.12	1000	1.03
810	CGA8M3C0G2E333J	.033µF	250	5	4.5	3.2	2.0	1.76	1.35	1.23	1.12	1000	1.03
810	CGA8P3C0G2E473J	.047µF	250	5	4.5	3.2	3.2	1.76	1.35	1.23	1.12	1000	1.03
810	CGA8L4C0G2J822J	8200	630	5	4.5	3.2	1.6	2.08	1.60	1.45	1.32	1000	1.21
810	CGA8L4C0G2J103J	.01µF	630	5	4.5	3.2	1.6	2.02	1.55	1.41	1.28	1000	1.18
810	CGA8P4C0G2J153J	.015µF	630	5	4.5	3.2	2.5	2.02	1.55	1.41	1.28	1000	1.18
810	CGA8R4C0G2J223J	.022µF	630	5	4.5	3.2	3.2	2.02	1.55	1.41	1.28	1000	1.18
Temperature Coef: X7R													
810	CGA8N3X7R1C226M	.22µF	16	20	4.5	3.2	2.3	.93	.718	.653	.594	1000	.546
810	CGA8P1X7R1C336M	.33µF	16	20	4.5	3.2	2.5	1.14	.879	.799	.726	1000	.668
810	CGA8P2X7R1E106K	10µF	25	10	4.5	3.2	2.5	.86	.66	.60	.545	1000	.501
810	CGA8Q3X7R1E156M	15µF	25	20	4.5	3.2	2.8	.93	.718	.653	.594	1000	.546
810	CGA8P1X7R1E226M	.22µF	25	20	4.5	3.2	2.5	1.04	.799	.726	.66	1000	.607
810	CGA8L2X7R1H155K	1.5µF	50	10	4.5	3.2	1.6	.52	.399	.363	.33	1000	.304
810	CGA8L2X7R1H225K	2.2µF	50	10	4.5	3.2	1.6	.74	.571	.519	.472	1000	.434
810	CGA8M2X7R1H335K	3.3µF	50	10	4.5	3.2	2.0	.76	.585	.532	.484	1000	.445
810	CGA8M3X7R1H475K	4.7µF	50	10	4.5	3.2	2.0	.86	.66	.60	.545	1000	.501
810	CGA8P3X7R1H685K	6.8µF	50	10	4.5	3.2	2.5	1.03	.79	.718	.653	1000	.601
810	CGA8N2X7R2A105K	1µF	100	10	4.5	3.2	2.3	.61	.466	.424	.385	1000	.354
810	CGA8N2X7R2A155K	1.5µF	100	10	4.5	3.2	2.3	.97	.746	.678	.616	1000	.567
810	CGA8N2X7R2A225K	2.2µF	100	10	4.5	3.2	2.3	.69	.532	.484	.44	1000	.405
810	CGA8N2X7R2A684K	6.8µF	100	10	4.5	3.2	2.3	.69	.532	.484	.44	1000	.405
810	CGA8L3X7R2E154K	.15µF	250	10	4.5	3.2	1.6	.40	.306	.278	.253	1000	.233

CGA9 (EIA CC2220/JIS C5750)

Temperature Coef: X7R													
810	CGA9N3X7R1C476M	47µF	16	20	5.7	5.0	2.3	2.08	1.60	1.45	1.32	1000	1.21
810	CGA9N2X7R1E156M	15µF	25	20	5.7	5.0	2.3	1.61	1.24	1.13	1.03	1000	.948
810	CGA9P2X7R1E226M	.22µF	25	20	5.7	5.0	2.5	2.08	1.60	1.45	1.32	1000	1.21
810	CGA9M2X7R1H475K	4.7µF	50	10	5.7	5.0	2.0	1.68	1.29	1.17	1.06	1000	.975
810	CGA9P2X7R1H685K	6.8µF	50	10	5.7	5.0	2.5	1.73	1.33	1.21	1.10	1000	1.01
810	CGA9N3X7R1H106K	10µF	50	10	5.7	5.0	2.3	1.57	1.21	1.10	1.00	1000	.92
810	CGA9N2X7R2A105K	1µF	100	10	5.7	5.0	2.3	1.25	.958	.871	.792	1000	.729
810	CGA9N2X7R2A155K	1.5µF	100	10	5.7	5.0	2.3	1.38	1.06	.968	.88	1000	.81
810	CGA9N2X7R2A225K	2.2µF	100	10	5.7	5.0	2.3	1.48	1.14	1.04	.946	1000	.87
810	CGA9N2X7R2A335K	3.3µF	100	10	5.7	5.0	2.3	2.08	1.60	1.45	1.32	1000	1.21
810	CGA9N2X7R2A475K	4.7µF	100	10	5.7	5.0	2.3	2.08	1.60	1.45	1.32	1000	1.21
810	CGA9L3X7R2E334K	.33µF	250	10	5.7	5.0	1.6	.83	.639	.581	.528	1000	.486
810	CGA9N3X7R2E474K	.47µF	250	10	5.7	5.0	2.3	.80	.613	.557	.506	1000	.466
810	CGA9N3X7R2E684K	.68µF	250	10	5.7	5.0	2.3	1.25	.958	.871	.792	1000	.729
810	CGA9N3X7R2E105K	1µF	250	10	5.7	5.0	2.3	.87	.666	.605	.55	1000	.506
810	CGA9L4X7R2J154K	.15µF	630	10	5.7	5.0	1.6	.83	.639	.581	.528	1000	.486
810	CGA9N4X7R2J224K	.22µF	630	10	5.7	5.0	2.3	.87	.666	.605	.55	1000	.506
Temperature Coef: X7S													
810	CGA9N3X7S2A106K	10µF	100	10	5.7	5.0	2.3	2.08	1.60	1.45	1.32	1000	1.21
810	CGA9P3X7S2A156M	15µF	100	20	5.7	5.0	2.5	2.77	2.13	1.94	1.76	1000	1.62
Temperature Coef: X7T													
810	CGA9M3X7T2E155K	1.5µF	250	10	5.7	5.0	2.0	3.12	2.40	2.18	1.98	1000	1.82
810	CGA9P3X7T2E225K	2.2µF	250	10	5.7	5.0	2.5	3.12	2.40	2.18	1.98	1000	1.82
810	CGA9M4X7T2W684K	.68µF	450	10	5.7	5.0	2.0	2.95	2.27	2.06	1.87	1000	1.72
810	CGA9P4X7T2W105K	1µF	450	10	5.7	5.0	2.5	2.95	2.27	2.06	1.87	1000	1.72
810	CGA9M1												