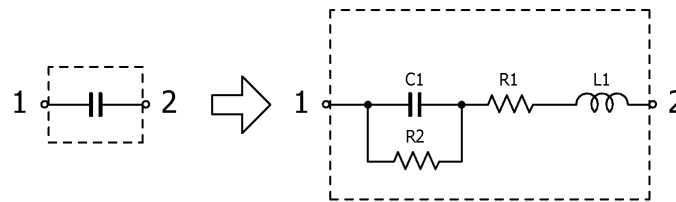


Multilayer Ceramic Chip Capacitors

Feb. 27, 2026
Simple Model

Automotive Grade High Temperature Application / CGA4 series (1/3)

Circuit Diagram



Circuit Parameters

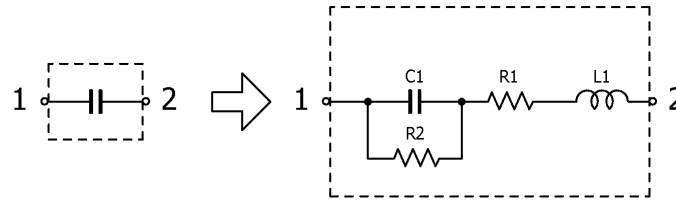
| Part No. | C1[μ F] | L1[nH] | R1[ohm] | R2[Gohm] |
|----------------------|--------------|--------|---------|----------|
| CGA4C2NP01H272J060AA | 2,700 | 0.480 | 0.0528 | 10.0 |
| CGA4C2NP01H332J060AA | 3,300 | 0.480 | 0.0268 | 10.0 |
| CGA4C2NP01H392J060AA | 3,900 | 0.480 | 0.0257 | 10.0 |
| CGA4C2NP01H472J060AA | 4,700 | 0.480 | 0.0436 | 10.0 |
| CGA4C2NP01H562J060AA | 5,600 | 0.480 | 0.0207 | 10.0 |
| CGA4C2NP01H682J060AA | 6,800 | 0.480 | 0.0198 | 10.0 |
| CGA4C2NP01H822J060AA | 8,200 | 0.480 | 0.0162 | 10.0 |
| CGA4C2NP01H103J060AA | 10,000 | 0.480 | 0.0370 | 10.0 |
| CGA4F2NP01H153J085AA | 15,000 | 0.480 | 0.0130 | 10.0 |
| CGA4J2NP01H223J125AA | 22,000 | 0.480 | 0.0120 | 10.0 |
| CGA4J2NP01H333J125AA | 33,000 | 0.480 | 0.0085 | 10.0 |
| CGA4C2NP02A102J060AA | 1,000 | 0.480 | 0.0254 | 10.0 |
| CGA4C2NP02A122J060AA | 1,200 | 0.480 | 0.0879 | 10.0 |
| CGA4C2NP02A152J060AA | 1,500 | 0.480 | 0.0510 | 10.0 |
| CGA4F2NP02A182J085AA | 1,800 | 0.480 | 0.0301 | 10.0 |
| CGA4F2NP02A222J085AA | 2,200 | 0.480 | 0.0243 | 10.0 |
| CGA4J2NP02A272J125AA | 2,700 | 0.480 | 0.0237 | 10.0 |
| CGA4J2NP02A332J125AA | 3,300 | 0.480 | 0.0210 | 10.0 |
| CGA4J2NP02A392J125AA | 3,900 | 0.480 | 0.0184 | 10.0 |
| CGA4J2NP02A472J125AA | 4,700 | 0.480 | 0.0197 | 10.0 |
| CGA4J2NP02A562J125AA | 5,600 | 0.480 | 0.0275 | 10.0 |
| CGA4J2NP02A682J125AA | 6,800 | 0.480 | 0.0225 | 10.0 |
| CGA4J2NP02A822J125AA | 8,200 | 0.480 | 0.0194 | 10.0 |
| CGA4J2NP02A103J125AA | 10,000 | 0.480 | 0.0169 | 10.0 |
| CGA4F3NP02E332J085AA | 3,300 | 0.480 | 0.0531 | 10.0 |
| CGA4J3NP02E392J125AA | 3,900 | 0.480 | 0.0347 | 10.0 |
| CGA4J3NP02E472J125AA | 4,700 | 0.480 | 0.0183 | 10.0 |
| CGA4J3NP02E562J125AA | 5,600 | 0.480 | 0.0259 | 10.0 |
| CGA4J3NP02E682J125AA | 6,800 | 0.480 | 0.0200 | 10.0 |
| CGA4J3NP02E822J125AA | 8,200 | 0.480 | 0.0185 | 10.0 |
| CGA4J3NP02E103J125AA | 10,000 | 0.480 | 0.0174 | 10.0 |
| CGA4C4NP02W101J060AA | 100 | 0.480 | 0.7542 | 10.0 |
| CGA4C4NP02W151J060AA | 150 | 0.480 | 0.5967 | 10.0 |
| CGA4C4NP02W221J060AA | 220 | 0.480 | 0.5159 | 10.0 |
| CGA4C4NP02W331J060AA | 330 | 0.480 | 0.3793 | 10.0 |
| CGA4C4NP02W471J060AA | 470 | 0.480 | 0.3195 | 10.0 |

Multilayer Ceramic Chip Capacitors

Feb. 27, 2026
Simple Model

Automotive Grade High Temperature Application / CGA4 series (2/3)

Circuit Diagram



Circuit Parameters

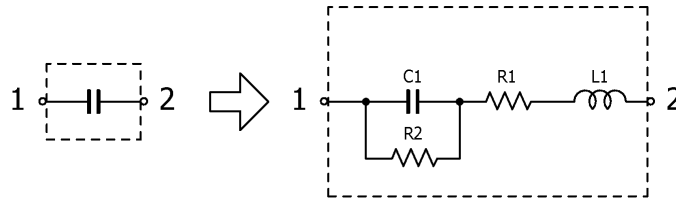
| Part No. | C1[μ F] | L1[nH] | R1[Ω] | R2[G Ω] |
|----------------------|--------------|--------|----------------|-----------------|
| CGA4C4NP02W681J060AA | 680 | 0.480 | 0.2071 | 10.0 |
| CGA4C4NP02W102J060AA | 1,000 | 0.480 | 0.2128 | 10.0 |
| CGA4C4NP02W122J060AA | 1,200 | 0.480 | 0.1825 | 10.0 |
| CGA4F4NP02W152J085AA | 1,500 | 0.480 | 0.1795 | 10.0 |
| CGA4F4NP02W182J085AA | 1,800 | 0.480 | 0.1505 | 10.0 |
| CGA4F4NP02W222J085AA | 2,200 | 0.480 | 0.1171 | 10.0 |
| CGA4J4NP02W272J125AA | 2,700 | 0.480 | 0.0854 | 10.0 |
| CGA4J4NP02W332J125AA | 3,300 | 0.480 | 0.0514 | 10.0 |
| CGA4J4NP02W392J125AA | 3,900 | 0.480 | 0.0347 | 10.0 |
| CGA4J4NP02W472J125AA | 4,700 | 0.480 | 0.0316 | 10.0 |
| CGA4J4NP02W562J125AA | 5,600 | 0.480 | 0.0216 | 10.0 |
| CGA4J1X8L0J685K125AC | 6,800,000 | 0.480 | 0.0031 | 0.0140 |
| CGA4J1X8L0J106K125AC | 10,000,000 | 0.480 | 0.0027 | 0.0100 |
| CGA4J1X8L1A106K125AC | 10,000,000 | 0.480 | 0.0020 | 0.0100 |
| CGA4J1X8L1C335K125AC | 3,300,000 | 0.480 | 0.0046 | 0.0300 |
| CGA4J1X8L1C475K125AC | 4,700,000 | 0.480 | 0.0032 | 0.0210 |
| CGA4J3X8L1E155K125AB | 1,500,000 | 0.480 | 0.0054 | 0.333 |
| CGA4J3X8L1E225K125AB | 2,200,000 | 0.480 | 0.0044 | 0.227 |
| CGA4J1X8L1E475K125AC | 4,700,000 | 0.480 | 0.0031 | 0.106 |
| CGA4J1X8L1V225K125AC | 2,200,000 | 0.480 | 0.0044 | 0.227 |
| CGA4J1X8L1H334K125AC | 330,000 | 0.480 | 0.0117 | 1.52 |
| CGA4J1X8L1H474K125AC | 470,000 | 0.480 | 0.0094 | 1.06 |
| CGA4J1X8L1H684K125AC | 680,000 | 0.480 | 0.0076 | 0.735 |
| CGA4J1X8L1H105K125AC | 1,000,000 | 0.480 | 0.0060 | 0.500 |
| CGA4J3X8R1C684K125AB | 680,000 | 0.480 | 0.0077 | 0.147 |
| CGA4J3X8R1C684M125AB | 680,000 | 0.480 | 0.0077 | 0.147 |
| CGA4J3X8R1C105K125AB | 1,000,000 | 0.480 | 0.0057 | 0.100 |
| CGA4J3X8R1C105M125AB | 1,000,000 | 0.480 | 0.0057 | 0.100 |
| CGA4J2X8R1E224K125AA | 220,000 | 0.480 | 0.0125 | 2.27 |
| CGA4J2X8R1E224M125AA | 220,000 | 0.480 | 0.0125 | 2.27 |
| CGA4J2X8R1E334K125AA | 330,000 | 0.480 | 0.0076 | 1.52 |
| CGA4J2X8R1E334M125AA | 330,000 | 0.480 | 0.0076 | 1.52 |
| CGA4J3X8R1E474K125AB | 470,000 | 0.480 | 0.0072 | 1.06 |
| CGA4J3X8R1E474M125AB | 470,000 | 0.480 | 0.0072 | 1.06 |
| CGA4J1X8R1E684K125AC | 680,000 | 0.480 | 0.0077 | 0.735 |
| CGA4J1X8R1E684M125AC | 680,000 | 0.480 | 0.0077 | 0.735 |

Multilayer Ceramic Chip Capacitors

Feb. 27, 2026
Simple Model

Automotive Grade High Temperature Application / CGA4 series (3/3)

Circuit Diagram



Circuit Parameters

| Part No. | C1[pF] | L1[nH] | R1[ohm] | R2[Gohm] |
|----------------------|-----------|--------|---------|----------|
| CGA4J1X8R1E105K125AC | 1,000,000 | 0.480 | 0.0057 | 0.500 |
| CGA4J1X8R1E105M125AC | 1,000,000 | 0.480 | 0.0057 | 0.500 |
| CGA4J2X8R1H683K125AA | 68,000 | 0.480 | 0.0185 | 7.35 |
| CGA4J2X8R1H683M125AA | 68,000 | 0.480 | 0.0185 | 7.35 |
| CGA4J2X8R1H104K125AA | 100,000 | 0.480 | 0.0127 | 5.00 |
| CGA4J2X8R1H104M125AA | 100,000 | 0.480 | 0.0127 | 5.00 |
| CGA4J3X8R1H154K125AB | 150,000 | 0.480 | 0.0187 | 3.33 |
| CGA4J3X8R1H154M125AB | 150,000 | 0.480 | 0.0187 | 3.33 |
| CGA4J3X8R1H224K125AB | 220,000 | 0.480 | 0.0135 | 2.27 |
| CGA4J3X8R1H224M125AB | 220,000 | 0.480 | 0.0135 | 2.27 |
| CGA4J2X8R2A223K125AA | 22,000 | 0.480 | 0.0284 | 10.0 |
| CGA4J2X8R2A223M125AA | 22,000 | 0.480 | 0.0284 | 10.0 |
| CGA4J3X8R2A333K125AB | 33,000 | 0.480 | 0.0441 | 10.0 |
| CGA4J3X8R2A333M125AB | 33,000 | 0.480 | 0.0441 | 10.0 |
| CGA4J3X8R2A473K125AB | 47,000 | 0.480 | 0.0305 | 10.0 |
| CGA4J3X8R2A473M125AB | 47,000 | 0.480 | 0.0305 | 10.0 |
| CGA4J3X8R2A683K125AB | 68,000 | 0.480 | 0.0238 | 7.35 |
| CGA4J3X8R2A683M125AB | 68,000 | 0.480 | 0.0238 | 7.35 |