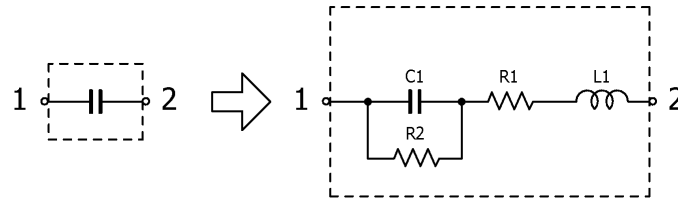


Multilayer Ceramic Chip Capacitors

May 23, 2022
Simple Model

Automotive Grade, Conductive Epoxy Application / CGA4 series (1/3)

Circuit Diagram



Circuit Parameters

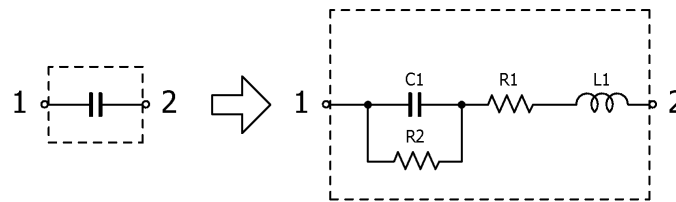
Part No.	C1[pF]	L1[nH]	R1[ohm]	R2[Gohm]
CGA4C2C0G1H272J060AD	2,700	0.480	0.0528	10.0
CGA4C2C0G1H332J060AD	3,300	0.480	0.0268	10.0
CGA4C2C0G1H392J060AD	3,900	0.480	0.0257	10.0
CGA4C2C0G1H472J060AD	4,700	0.480	0.0436	10.0
CGA4C2C0G1H562J060AD	5,600	0.480	0.0207	10.0
CGA4C2C0G1H682J060AD	6,800	0.480	0.0198	10.0
CGA4C2C0G1H822J060AD	8,200	0.480	0.0162	10.0
CGA4C2C0G1H103J060AD	10,000	0.480	0.0370	10.0
CGA4F2X8R2A103K085AD	10,000	0.480	0.0390	10.0
CGA4F2X8R2A103M085AD	10,000	0.480	0.0390	10.0
CGA4F2C0G1H153J085AD	15,000	0.480	0.0130	10.0
CGA4F2X8R2A153K085AD	15,000	0.480	0.0431	10.0
CGA4F2X8R2A153M085AD	15,000	0.480	0.0431	10.0
CGA4J2C0G1H223J125AD	22,000	0.480	0.0120	10.0
CGA4J2X8R2A223K125AD	22,000	0.480	0.0284	10.0
CGA4J2X8R2A223M125AD	22,000	0.480	0.0284	10.0
CGA4J2C0G1H333J125AD	33,000	0.480	0.0085	10.0
CGA4J3X8R2A333K125AD	33,000	0.480	0.0441	10.0
CGA4J3X8R2A333M125AD	33,000	0.480	0.0441	10.0
CGA4J3X8R2A473K125AD	47,000	0.480	0.0305	10.0
CGA4J3X8R2A473M125AD	47,000	0.480	0.0305	10.0
CGA4J3X8R2A683K125AD	68,000	0.480	0.0238	7.35
CGA4J3X8R2A683M125AD	68,000	0.480	0.0238	7.35
CGA4J2X8R1H683K125AD	68,000	0.480	0.0185	7.35
CGA4J2X8R1H683M125AD	68,000	0.480	0.0185	7.35
CGA4J2X8R1H104K125AD	100,000	0.480	0.0127	5.00
CGA4J2X8R1H104M125AD	100,000	0.480	0.0127	5.00
CGA4F2X8R1E154K085AD	150,000	0.480	0.0191	3.33
CGA4F2X8R1E154M085AD	150,000	0.480	0.0191	3.33
CGA4J2X7R1H154K125AD	150,000	0.480	0.0114	3.33
CGA4J2X7R1H154M125AD	150,000	0.480	0.0114	3.33
CGA4J3X8R1H154K125AD	150,000	0.480	0.0187	3.33
CGA4J3X8R1H154M125AD	150,000	0.480	0.0187	3.33
CGA4J2X7R1H224K125AD	220,000	0.480	0.0116	2.27
CGA4J2X7R1H224M125AD	220,000	0.480	0.0116	2.27
CGA4J3X8R1H224K125AD	220,000	0.480	0.0135	2.27

Multilayer Ceramic Chip Capacitors

May 23, 2022
Simple Model

Automotive Grade, Conductive Epoxy Application / CGA4 series (2/3)

Circuit Diagram



Circuit Parameters

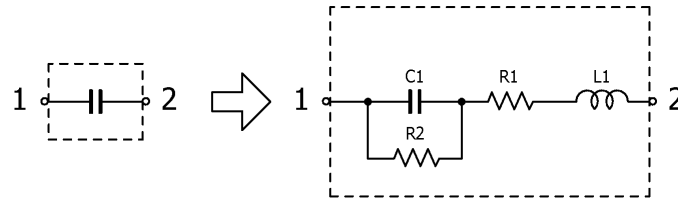
Part No.	C1[μ F]	L1[nH]	R1[ohm]	R2[Gohm]
CGA4J3X8R1H224M125AD	220,000	0.480	0.0135	2.27
CGA4J2X8R1E224K125AD	220,000	0.480	0.0125	2.27
CGA4J2X8R1E224M125AD	220,000	0.480	0.0125	2.27
CGA4J2X7R1H334K125AD	330,000	0.480	0.0101	1.52
CGA4J2X7R1H334M125AD	330,000	0.480	0.0101	1.52
CGA4J2X8R1E334K125AD	330,000	0.480	0.0076	1.52
CGA4J2X8R1E334M125AD	330,000	0.480	0.0076	1.52
CGA4J2X7R1E474K125AD	470,000	0.480	0.0086	1.06
CGA4J2X7R1E474M125AD	470,000	0.480	0.0086	1.06
CGA4J3X8R1E474K125AD	470,000	0.480	0.0072	1.06
CGA4J3X8R1E474M125AD	470,000	0.480	0.0072	1.06
CGA4J3X7R1E684K125AD	680,000	0.480	0.0124	0.735
CGA4J3X7R1E684M125AD	680,000	0.480	0.0124	0.735
CGA4J2X7R1C684K125AD	680,000	0.480	0.0075	0.147
CGA4J2X7R1C684M125AD	680,000	0.480	0.0075	0.147
CGA4J1X8R1E684K125AD	680,000	0.480	0.0077	0.735
CGA4J1X8R1E684M125AD	680,000	0.480	0.0077	0.735
CGA4J3X8R1C684K125AD	680,000	0.480	0.0077	0.147
CGA4J3X8R1C684M125AD	680,000	0.480	0.0077	0.147
CGA4J3X7R1E105K125AD	1,000,000	0.480	0.0073	0.500
CGA4J3X7R1E105M125AD	1,000,000	0.480	0.0073	0.500
CGA4J2X7R1C105K125AD	1,000,000	0.480	0.0059	0.100
CGA4J2X7R1C105M125AD	1,000,000	0.480	0.0059	0.100
CGA4J1X8R1E105K125AD	1,000,000	0.480	0.0057	0.500
CGA4J1X8R1E105M125AD	1,000,000	0.480	0.0057	0.500
CGA4J3X8R1C105K125AD	1,000,000	0.480	0.0057	0.100
CGA4J3X8R1C105M125AD	1,000,000	0.480	0.0057	0.100
CGA4J1X7R1E155K125AD	1,500,000	0.480	0.0061	0.333
CGA4J1X7R1E155M125AD	1,500,000	0.480	0.0061	0.333
CGA4J3X7R1E225K125AD	2,200,000	0.480	0.0047	0.227
CGA4J3X7R1E225M125AD	2,200,000	0.480	0.0047	0.227
CGA4J1X7R1E335K125AD	3,300,000	0.480	0.0037	0.151
CGA4J1X7R1E335M125AD	3,300,000	0.480	0.0037	0.151
CGA4J3X7R1C335K125AD	3,300,000	0.480	0.0037	0.0300
CGA4J3X7R1C335M125AD	3,300,000	0.480	0.0037	0.0300
CGA4J1X7R1E475K125AD	4,700,000	0.480	0.0028	0.106

Multilayer Ceramic Chip Capacitors

May 23, 2022
Simple Model

Automotive Grade, Conductive Epoxy Application / CGA4 series (3/3)

Circuit Diagram



Circuit Parameters

Part No.	C1[pF]	L1[nH]	R1[ohm]	R2[Gohm]
CGA4J1X7R1E475M125AD	4,700,000	0.480	0.0028	0.106
CGA4J3X7R1C475K125AD	4,700,000	0.480	0.0028	0.0210
CGA4J3X7R1C475M125AD	4,700,000	0.480	0.0028	0.0210
CGA4J1X7R0J685K125AD	6,800,000	0.480	0.0025	0.0140
CGA4J1X7R0J685M125AD	6,800,000	0.480	0.0025	0.0140
CGA4J1X7R0J106K125AD	10,000,000	0.480	0.0015	0.0100
CGA4J1X7R0J106M125AD	10,000,000	0.480	0.0015	0.0100