

Multilayer Ceramic Chip Capacitors

May 23, 2024
Simple Model

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

Circuit Diagram



Circuit Parameters

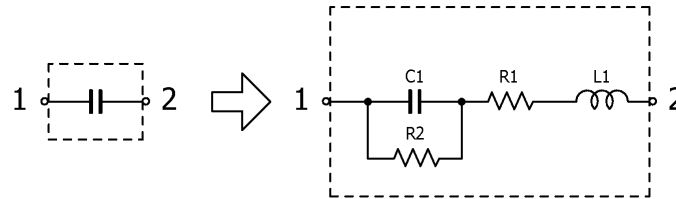
Part No.	C1[pF]	L1[nH]	R1[ohm]	R2[Gohm]
CGA4C4NP02W101J060AA	100	0.480	0.7542	10.0
CGA4C4NP02W151J060AA	150	0.480	0.5967	10.0
CGA4C4NP02W221J060AA	220	0.480	0.5159	10.0
CGA4C4NP02W331J060AA	330	0.480	0.3793	10.0
CGA4C4NP02W471J060AA	470	0.480	0.3195	10.0
CGA4C4NP02W681J060AA	680	0.480	0.2071	10.0
CGA4C4NP02W102J060AA	1,000	0.480	0.2128	10.0
CGA4C2NP02A102J060AA	1,000	0.480	0.0254	10.0
CGA4C4NP02W122J060AA	1,200	0.480	0.1825	10.0
CGA4C2NP02A122J060AA	1,200	0.480	0.0879	10.0
CGA4C2NP02A152J060AA	1,500	0.480	0.0510	10.0
CGA4F4NP02W152J085AA	1,500	0.480	0.1795	10.0
CGA4F4NP02W182J085AA	1,800	0.480	0.1505	10.0
CGA4F2NP02A182J085AA	1,800	0.480	0.0301	10.0
CGA4F4NP02W222J085AA	2,200	0.480	0.1171	10.0
CGA4F2NP02A222J085AA	2,200	0.480	0.0243	10.0
CGA4C2NP01H272J060AA	2,700	0.480	0.0528	10.0
CGA4J4NP02W272J125AA	2,700	0.480	0.0854	10.0
CGA4J2NP02A272J125AA	2,700	0.480	0.0237	10.0
CGA4C2NP01H332J060AA	3,300	0.480	0.0268	10.0
CGA4F3NP02E332J085AA	3,300	0.480	0.0531	10.0
CGA4J4NP02W332J125AA	3,300	0.480	0.0514	10.0
CGA4J2NP02A332J125AA	3,300	0.480	0.0210	10.0
CGA4C2NP01H392J060AA	3,900	0.480	0.0257	10.0
CGA4J4NP02W392J125AA	3,900	0.480	0.0347	10.0
CGA4J3NP02E392J125AA	3,900	0.480	0.0347	10.0
CGA4J2NP02A392J125AA	3,900	0.480	0.0184	10.0
CGA4C2NP01H472J060AA	4,700	0.480	0.0436	10.0
CGA4J4NP02W472J125AA	4,700	0.480	0.0316	10.0
CGA4J3NP02E472J125AA	4,700	0.480	0.0183	10.0
CGA4J2NP02A472J125AA	4,700	0.480	0.0197	10.0
CGA4C2NP01H562J060AA	5,600	0.480	0.0207	10.0
CGA4J4NP02W562J125AA	5,600	0.480	0.0216	10.0
CGA4J3NP02E562J125AA	5,600	0.480	0.0259	10.0
CGA4J2NP02A562J125AA	5,600	0.480	0.0275	10.0
CGA4C2NP01H682J060AA	6,800	0.480	0.0198	10.0

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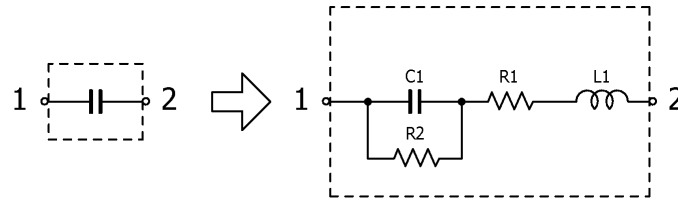
Part No.	C1[μ F]	L1[nH]	R1[ohm]	R2[Gohm]
CGA4J3NP02E682J125AA	6,800	0.480	0.0200	10.0
CGA4J2NP02A682J125AA	6,800	0.480	0.0225	10.0
CGA4C2NP01H822J060AA	8,200	0.480	0.0162	10.0
CGA4J3NP02E822J125AA	8,200	0.480	0.0185	10.0
CGA4J2NP02A822J125AA	8,200	0.480	0.0194	10.0
CGA4C2NP01H103J060AA	10,000	0.480	0.0370	10.0
CGA4J3NP02E103J125AA	10,000	0.480	0.0174	10.0
CGA4J2NP02A103J125AA	10,000	0.480	0.0169	10.0
CGA4F2NP01H153J085AA	15,000	0.480	0.0130	10.0
CGA4J2NP01H223J125AA	22,000	0.480	0.0120	10.0
CGA4J2X8R2A223K125AA	22,000	0.480	0.0284	10.0
CGA4J2X8R2A223M125AA	22,000	0.480	0.0284	10.0
CGA4J2NP01H333J125AA	33,000	0.480	0.0085	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
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
CGA4J2X8R1E224K125AA	220,000	0.480	0.0125	2.27
CGA4J2X8R1E224M125AA	220,000	0.480	0.0125	2.27
CGA4J1X8L1H334K125AC	330,000	0.480	0.0117	1.52
CGA4J2X8R1E334K125AA	330,000	0.480	0.0076	1.52
CGA4J2X8R1E334M125AA	330,000	0.480	0.0076	1.52
CGA4J1X8L1H474K125AC	470,000	0.480	0.0094	1.06
CGA4J3X8R1E474K125AB	470,000	0.480	0.0072	1.06
CGA4J3X8R1E474M125AB	470,000	0.480	0.0072	1.06
CGA4J1X8L1H684K125AC	680,000	0.480	0.0076	0.735

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Part No.	C1[pF]	L1[nH]	R1[ohm]	R2[Gohm]
CGA4J1X8R1E684K125AC	680,000	0.480	0.0077	0.735
CGA4J1X8R1E684M125AC	680,000	0.480	0.0077	0.735
CGA4J3X8R1C684K125AB	680,000	0.480	0.0077	0.147
CGA4J3X8R1C684M125AB	680,000	0.480	0.0077	0.147
CGA4J1X8L1H105K125AC	1,000,000	0.480	0.0060	0.500
CGA4J1X8R1E105K125AC	1,000,000	0.480	0.0057	0.500
CGA4J1X8R1E105M125AC	1,000,000	0.480	0.0057	0.500
CGA4J3X8R1C105K125AB	1,000,000	0.480	0.0057	0.100
CGA4J3X8R1C105M125AB	1,000,000	0.480	0.0057	0.100
CGA4J3X8L1E155K125AB	1,500,000	0.480	0.0054	0.333
CGA4J1X8L1V225K125AC	2,200,000	0.480	0.0044	0.227
CGA4J3X8L1E225K125AB	2,200,000	0.480	0.0044	0.227
CGA4J1X8L1C335K125AC	3,300,000	0.480	0.0046	0.0300
CGA4J1X8L1E475K125AC	4,700,000	0.480	0.0031	0.106
CGA4J1X8L1C475K125AC	4,700,000	0.480	0.0032	0.0210
CGA4J1X8L0J685K125AC	6,800,000	0.480	0.0031	0.0140
CGA4J1X8L1A106K125AC	10,000,000	0.480	0.0020	0.0100
CGA4J1X8L0J106K125AC	10,000,000	0.480	0.0027	0.0100