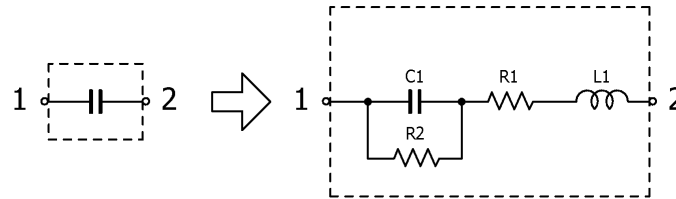


Multilayer Ceramic Chip Capacitors

Aug. 18, 2020
Simple Model

Automotive Grade, Mid Voltage (100 to 630V) / CGA4 series (1/3)

Circuit Diagram



Circuit Parameters

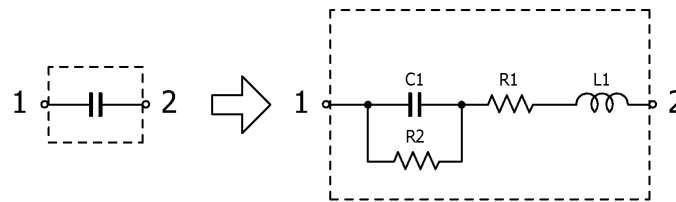
Part No.	C1[μ F]	L1[nH]	R1[ohm]	R2[Gohm]
CGA4C4C0G2W101J060AA	100	0.480	0.1962	10.0
CGA4C2C0G2A101J060AA	100	0.480	0.2893	10.0
CGA4C4C0G2W121J060AA	120	0.480	0.1953	10.0
CGA4C4C0G2W151J060AA	150	0.480	0.1174	10.0
CGA4C4C0G2W181J060AA	180	0.480	0.1515	10.0
CGA4C4C0G2W221J060AA	220	0.480	0.1338	10.0
CGA4C2C0G2A221J060AA	220	0.480	0.2341	10.0
CGA4C4C0G2W271J060AA	270	0.480	0.1222	10.0
CGA4C4C0G2W331J060AA	330	0.480	0.0980	10.0
CGA4C4C0G2W391J060AA	390	0.480	0.0824	10.0
CGA4C4C0G2W471J060AA	470	0.480	0.0792	10.0
CGA4C2C0G2A471J060AA	470	0.480	0.0651	10.0
CGA4C4C0G2W561J060AA	560	0.480	0.0637	10.0
CGA4C4C0G2W681J060AA	680	0.480	0.0511	10.0
CGA4C4C0G2W821J060AA	820	0.480	0.0519	10.0
CGA4C3C0G2E821J060AA	820	0.480	0.0495	10.0
CGA4C4C0G2W102J060AA	1,000	0.480	0.0399	10.0
CGA4C2C0G2A102J060AA	1,000	0.480	0.0254	10.0
CGA4F3C0G2E102J085AA	1,000	0.480	0.0345	10.0
CGA4C4C0G2W122J060AA	1,200	0.480	0.0511	10.0
CGA4C2C0G2A122J060AA	1,200	0.480	0.0879	10.0
CGA4F3C0G2E122J085AA	1,200	0.480	0.0349	10.0
CGA4C2C0G2A152J060AA	1,500	0.480	0.0510	10.0
CGA4F4C0G2W152J085AA	1,500	0.480	0.0325	10.0
CGA4F3C0G2E152J085AA	1,500	0.480	0.0371	10.0
CGA4F4C0G2W182J085AA	1,800	0.480	0.0483	10.0
CGA4F2C0G2A182J085AA	1,800	0.480	0.0301	10.0
CGA4J3C0G2E182J125AA	1,800	0.480	0.0285	10.0
CGA4F4C0G2W222J085AA	2,200	0.480	0.0444	10.0
CGA4F2C0G2A222J085AA	2,200	0.480	0.0243	10.0
CGA4J3C0G2E222J125AA	2,200	0.480	0.0248	10.0
CGA4J4C0G2W272J125AA	2,700	0.480	0.0214	10.0
CGA4J3C0G2E272J125AA	2,700	0.480	0.0237	10.0
CGA4J2C0G2A272J125AA	2,700	0.480	0.0237	10.0
CGA4F3C0G2E332J085AA	3,300	0.480	0.0294	10.0
CGA4J4C0G2W332J125AA	3,300	0.480	0.0220	10.0

Multilayer Ceramic Chip Capacitors

Aug. 18, 2020
Simple Model

Automotive Grade, Mid Voltage (100 to 630V) / CGA4 series (2/3)

Circuit Diagram



Circuit Parameters

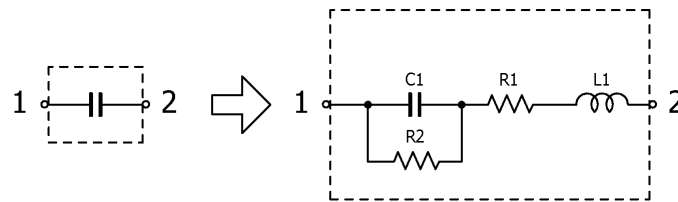
Part No.	C1[μ F]	L1[nH]	R1[ohm]	R2[Gohm]
CGA4J2C0G2A332J125AA	3,300	0.480	0.0210	10.0
CGA4J4C0G2W392J125AA	3,900	0.480	0.0141	10.0
CGA4J3C0G2E392J125AA	3,900	0.480	0.0141	10.0
CGA4J2C0G2A392J125AA	3,900	0.480	0.0184	10.0
CGA4J3C0G2E472J125AA	4,700	0.480	0.0151	10.0
CGA4J2C0G2A472J125AA	4,700	0.480	0.0197	10.0
CGA4J4C0G2W562J125AA	5,600	0.480	0.0205	10.0
CGA4J3C0G2E562J125AA	5,600	0.480	0.0275	10.0
CGA4J2C0G2A562J125AA	5,600	0.480	0.0275	10.0
CGA4J3C0G2E682J125AA	6,800	0.480	0.0225	10.0
CGA4J2C0G2A682J125AA	6,800	0.480	0.0225	10.0
CGA4J3X7R2E682K125AA	6,800	0.480	0.0837	10.0
CGA4J3X7R2E682M125AA	6,800	0.480	0.0837	10.0
CGA4J3C0G2E822J125AA	8,200	0.480	0.0194	10.0
CGA4J2C0G2A822J125AA	8,200	0.480	0.0194	10.0
CGA4J3C0G2E103J125AA	10,000	0.480	0.0169	10.0
CGA4J2C0G2A103J125AA	10,000	0.480	0.0169	10.0
CGA4J3X7R2E103K125AA	10,000	0.480	0.0680	10.0
CGA4J3X7R2E103M125AA	10,000	0.480	0.0680	10.0
CGA4J3X7R2E153K125AA	15,000	0.480	0.0478	10.0
CGA4J3X7R2E153M125AA	15,000	0.480	0.0478	10.0
CGA4J2X7R2A153K125AA	15,000	0.480	0.0478	10.0
CGA4J2X7R2A153M125AA	15,000	0.480	0.0478	10.0
CGA4J3X7R2E223K125AA	22,000	0.480	0.0305	10.0
CGA4J3X7R2E223M125AA	22,000	0.480	0.0305	10.0
CGA4J2X7R2A223K125AA	22,000	0.480	0.0305	10.0
CGA4J2X7R2A223M125AA	22,000	0.480	0.0305	10.0
CGA4J4X7T2W223K125AA	22,000	0.480	0.0306	10.0
CGA4J4X7T2W223M125AA	22,000	0.480	0.0306	10.0
CGA4J2X7R2A333K125AA	33,000	0.480	0.0323	10.0
CGA4J2X7R2A333M125AA	33,000	0.480	0.0323	10.0
CGA4J4X7T2W333K125AA	33,000	0.480	0.0247	10.0
CGA4J4X7T2W333M125AA	33,000	0.480	0.0247	10.0
CGA4J3X7T2E333K125AA	33,000	0.480	0.0247	10.0
CGA4J3X7T2E333M125AA	33,000	0.480	0.0247	10.0
CGA4J2X7R2A473K125AA	47,000	0.480	0.0210	10.0

Multilayer Ceramic Chip Capacitors

Aug. 18, 2020
Simple Model

Automotive Grade, Mid Voltage (100 to 630V) / CGA4 series (3/3)

Circuit Diagram



Circuit Parameters

Part No.	C1[μ F]	L1[nH]	R1[ohm]	R2[Gohm]
CGA4J2X7R2A473M125AA	47,000	0.480	0.0210	10.0
CGA4J4X7T2W473K125AA	47,000	0.480	0.0210	10.0
CGA4J4X7T2W473M125AA	47,000	0.480	0.0210	10.0
CGA4J3X7T2E473K125AA	47,000	0.480	0.0210	10.0
CGA4J3X7T2E473M125AA	47,000	0.480	0.0210	10.0
CGA4J3X7T2E683K125AA	68,000	0.480	0.0216	7.35
CGA4J3X7T2E683M125AA	68,000	0.480	0.0216	7.35
CGA4J2X7R2A104K125AA	100,000	0.480	0.0157	5.00
CGA4J2X7R2A104M125AA	100,000	0.480	0.0157	5.00
CGA4J3X7T2E104K125AA	100,000	0.480	0.0168	5.00
CGA4J3X7T2E104M125AA	100,000	0.480	0.0168	5.00
CGA4J3X7S2A334K125AB	330,000	0.480	0.0117	1.52
CGA4J3X7S2A334M125AB	330,000	0.480	0.0117	1.52
CGA4J3X7S2A474K125AB	470,000	0.480	0.0094	1.06
CGA4J3X7S2A474M125AB	470,000	0.480	0.0094	1.06
CGA4J3X7S2A684K125AB	680,000	0.480	0.0076	0.735
CGA4J3X7S2A684M125AB	680,000	0.480	0.0076	0.735
CGA4J3X7S2A105K125AB	1,000,000	0.480	0.0060	0.500
CGA4J3X7S2A105M125AB	1,000,000	0.480	0.0060	0.500