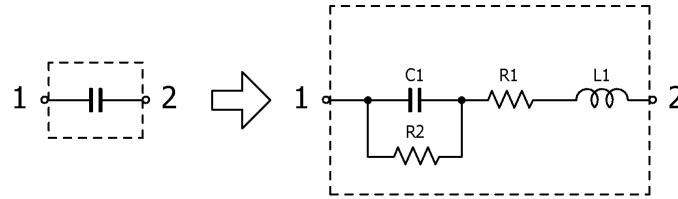


Multilayer Ceramic Chip Capacitors

June 29, 2015
Simple Model

Automotive Grade (Conductive Epoxy Application) / CGA2 series (1/3)

Circuit Diagram



Circuit Parameters

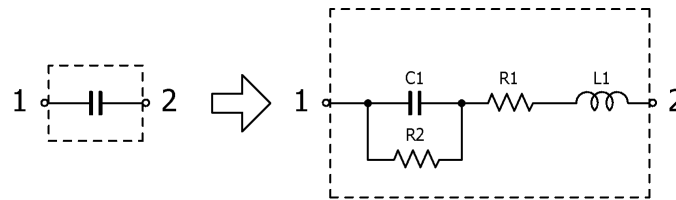
Part No.	C1[μ F]	L1[nH]	R1[ohm]	R2[Gohm]
CGA2B2C0G1H010C050BD	1	0.370	0.8671	10.0
CGA2B2C0G1H1R5C050BD	1.5	0.370	0.7727	10.0
CGA2B2C0G1H020C050BD	2	0.370	0.5777	10.0
CGA2B2C0G1H2R2C050BD	2.2	0.370	0.8582	10.0
CGA2B2C0G1H030C050BD	3	0.370	0.5716	10.0
CGA2B2C0G1H3R3C050BD	3.3	0.370	0.6399	10.0
CGA2B2C0G1H040C050BD	4	0.370	0.4194	10.0
CGA2B2C0G1H4R7C050BD	4.7	0.370	0.4124	10.0
CGA2B2C0G1H050C050BD	5	0.370	0.3088	10.0
CGA2B2C0G1H060D050BD	6	0.370	0.3479	10.0
CGA2B2C0G1H6R8D050BD	6.8	0.370	0.3066	10.0
CGA2B2C0G1H070D050BD	7	0.370	0.2969	10.0
CGA2B2C0G1H080D050BD	8	0.370	0.2941	10.0
CGA2B2C0G1H090D050BD	9	0.370	0.2694	10.0
CGA2B2C0G1H100D050BD	10	0.370	0.2845	10.0
CGA2B2C0G1H120J050BD	12	0.370	0.2481	10.0
CGA2B2C0G1H150J050BD	15	0.370	0.2050	10.0
CGA2B2C0G1H180J050BD	18	0.370	0.2248	10.0
CGA2B2C0G1H220J050BD	22	0.370	0.1883	10.0
CGA2B2C0G1H270J050BD	27	0.370	0.1753	10.0
CGA2B2C0G1H330J050BD	33	0.370	0.1737	10.0
CGA2B2C0G1H390J050BD	39	0.370	0.1455	10.0
CGA2B2C0G1H470J050BD	47	0.370	0.1126	10.0
CGA2B2C0G1H560J050BD	56	0.370	0.1085	10.0
CGA2B2C0G1H680J050BD	68	0.370	0.1017	10.0
CGA2B2C0G1H820J050BD	82	0.370	0.1065	10.0
CGA2B2C0G1H101J050BD	100	0.370	0.1104	10.0
CGA2B2C0G1H121J050BD	120	0.370	0.0877	10.0
CGA2B2C0G1H151J050BD	150	0.370	0.0978	10.0
CGA2B2C0G1H181J050BD	180	0.370	0.0761	10.0
CGA2B2C0G1H221J050BD	220	0.370	0.0687	10.0
CGA2B2C0G1H271J050BD	270	0.370	0.0704	10.0
CGA2B2C0G1H331J050BD	330	0.370	0.0667	10.0
CGA2B2C0G1H391J050BD	390	0.370	0.0540	10.0
CGA2B2C0G1H471J050BD	470	0.370	0.0506	10.0
CGA2B2C0G1H561J050BD	560	0.370	0.0643	10.0
CGA2B2C0G1H681J050BD	680	0.370	0.0561	10.0

Multilayer Ceramic Chip Capacitors

June 29, 2015
Simple Model

Automotive Grade (Conductive Epoxy Application) / CGA2 series (2/3)

Circuit Diagram



Circuit Parameters

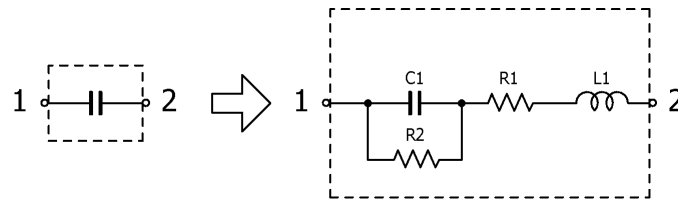
Part No.	C1[μ F]	L1[nH]	R1[ohm]	R2[Gohm]
CGA2B2C0G1H821J050BD	820	0.370	0.0475	10.0
CGA2B2C0G1H102J050BD	1,000	0.370	0.0408	10.0
CGA2B2X8R1H151K050BD	150	0.370	0.7665	10.0
CGA2B2X8R1H151M050BD	150	0.370	0.7665	10.0
CGA2B2X8R1H221K050BD	220	0.370	0.5868	10.0
CGA2B2X8R1H221M050BD	220	0.370	0.5868	10.0
CGA2B2X8R1H331K050BD	330	0.370	0.3975	10.0
CGA2B2X8R1H331M050BD	330	0.370	0.3975	10.0
CGA2B2X8R1H471K050BD	470	0.370	0.3001	10.0
CGA2B2X8R1H471M050BD	470	0.370	0.3001	10.0
CGA2B2X8R1H681K050BD	680	0.370	0.2867	10.0
CGA2B2X8R1H681M050BD	680	0.370	0.2867	10.0
CGA2B2X8R1H102K050BD	1,000	0.370	0.2202	10.0
CGA2B2X8R1H102M050BD	1,000	0.370	0.2202	10.0
CGA2B2X8R1H152K050BD	1,500	0.370	0.1596	10.0
CGA2B2X8R1H152M050BD	1,500	0.370	0.1596	10.0
CGA2B2X8R1H222K050BD	2,200	0.370	0.1680	10.0
CGA2B2X8R1H222M050BD	2,200	0.370	0.1680	10.0
CGA2B2X8R1H332K050BD	3,300	0.370	0.1053	10.0
CGA2B2X8R1H332M050BD	3,300	0.370	0.1053	10.0
CGA2B2X8R1H472K050BD	4,700	0.370	0.0869	10.0
CGA2B2X8R1H472M050BD	4,700	0.370	0.0869	10.0
CGA2B3X8R1H682K050BD	6,800	0.370	0.0675	10.0
CGA2B3X8R1H682M050BD	6,800	0.370	0.0675	10.0
CGA2B2X8R1E682K050BD	6,800	0.370	0.0715	10.0
CGA2B2X8R1E682M050BD	6,800	0.370	0.0715	10.0
CGA2B3X7R1H103K050BD	10,000	0.370	0.0806	10.0
CGA2B3X7R1H103M050BD	10,000	0.370	0.0806	10.0
CGA2B3X8R1H103K050BD	10,000	0.370	0.1142	10.0
CGA2B3X8R1H103M050BD	10,000	0.370	0.1142	10.0
CGA2B2X8R1E103K050BD	10,000	0.370	0.0562	10.0
CGA2B2X8R1E103M050BD	10,000	0.370	0.0562	10.0
CGA2B3X7R1H153K050BD	15,000	0.370	0.0583	10.0
CGA2B3X7R1H153M050BD	15,000	0.370	0.0583	10.0
CGA2B2X7R1E153K050BD	15,000	0.370	0.0640	10.0
CGA2B2X7R1E153M050BD	15,000	0.370	0.0640	10.0
CGA2B3X8R1E153K050BD	15,000	0.370	0.0486	10.0

Multilayer Ceramic Chip Capacitors

June 29, 2015
Simple Model

Automotive Grade (Conductive Epoxy Application) / CGA2 series (3/3)

Circuit Diagram



Circuit Parameters

Part No.	C1[μ F]	L1[nH]	R1[ohm]	R2[Gohm]
CGA2B3X8R1E153M050BD	15,000	0.370	0.0486	10.0
CGA2B3X7R1H223K050BD	22,000	0.370	0.0436	10.0
CGA2B3X7R1H223M050BD	22,000	0.370	0.0436	10.0
CGA2B2X7R1E223K050BD	22,000	0.370	0.0421	10.0
CGA2B2X7R1E223M050BD	22,000	0.370	0.0421	10.0
CGA2B3X8R1E223K050BD	22,000	0.370	0.0360	10.0
CGA2B3X8R1E223M050BD	22,000	0.370	0.0360	10.0
CGA2B3X7R1H333K050BD	33,000	0.370	0.0310	10.0
CGA2B3X7R1H333M050BD	33,000	0.370	0.0310	10.0
CGA2B2X7R1C333K050BD	33,000	0.370	0.0333	3.03
CGA2B2X7R1C333M050BD	33,000	0.370	0.0333	3.03
CGA2B3X8R1C333K050BD	33,000	0.370	0.0271	3.03
CGA2B3X8R1C333M050BD	33,000	0.370	0.0271	3.03
CGA2B3X7R1H473K050BD	47,000	0.370	0.0263	10.0
CGA2B3X7R1H473M050BD	47,000	0.370	0.0263	10.0
CGA2B3X8R1C473K050BD	47,000	0.370	0.0261	2.13
CGA2B3X8R1C473M050BD	47,000	0.370	0.0261	2.13
CGA2B3X7R1H683K050BD	68,000	0.370	0.0257	7.35
CGA2B3X7R1H683M050BD	68,000	0.370	0.0257	7.35
CGA2B3X7R1H104K050BD	100,000	0.370	0.0198	5.00
CGA2B3X7R1H104M050BD	100,000	0.370	0.0198	5.00