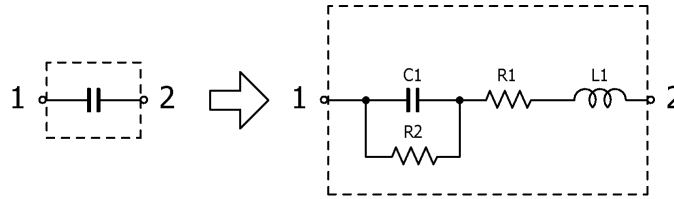


Multilayer Ceramic Chip Capacitors

June 29, 2015
Simple Model

Automotive Grade (General (Up to 50V)) / CGA1 series (1/4)

Circuit Diagram



Circuit Parameters

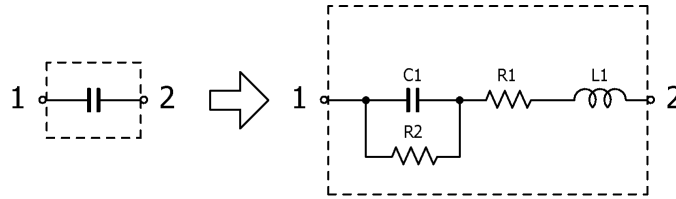
Part No.	C1[pF]	L1[nH]	R1[ohm]	R2[Gohm]
CGA1A2C0G1H010C030BA	1	0.300	1.1003	10.0
CGA1A2C0G1E010C030BA	1	0.300	1.1003	10.0
CGA1A2C0G1H1R5C030BA	1.5	0.300	0.7403	10.0
CGA1A2C0G1E1R5C030BA	1.5	0.300	0.7403	10.0
CGA1A2C0G1H020C030BA	2	0.300	0.4049	10.0
CGA1A2C0G1E020C030BA	2	0.300	0.4049	10.0
CGA1A2C0G1H2R2C030BA	2.2	0.300	0.4257	10.0
CGA1A2C0G1E2R2C030BA	2.2	0.300	0.4257	10.0
CGA1A2C0G1H030C030BA	3	0.300	0.4420	10.0
CGA1A2C0G1E030C030BA	3	0.300	0.4420	10.0
CGA1A2C0G1H3R3C030BA	3.3	0.300	0.3614	10.0
CGA1A2C0G1E3R3C030BA	3.3	0.300	0.3614	10.0
CGA1A2C0G1H040C030BA	4	0.300	0.3601	10.0
CGA1A2C0G1E040C030BA	4	0.300	0.3601	10.0
CGA1A2C0G1H4R7C030BA	4.7	0.300	0.3995	10.0
CGA1A2C0G1E4R7C030BA	4.7	0.300	0.3995	10.0
CGA1A2C0G1H050C030BA	5	0.300	0.5497	10.0
CGA1A2C0G1E050C030BA	5	0.300	0.5497	10.0
CGA1A2C0G1H060D030BA	6	0.300	0.3612	10.0
CGA1A2C0G1E060D030BA	6	0.300	0.3612	10.0
CGA1A2C0G1H6R8D030BA	6.8	0.300	0.3981	10.0
CGA1A2C0G1E6R8D030BA	6.8	0.300	0.3981	10.0
CGA1A2C0G1H070D030BA	7	0.300	0.3363	10.0
CGA1A2C0G1E070D030BA	7	0.300	0.3363	10.0
CGA1A2C0G1H080D030BA	8	0.300	0.3559	10.0
CGA1A2C0G1E080D030BA	8	0.300	0.3559	10.0
CGA1A2C0G1H090D030BA	9	0.300	0.2954	10.0
CGA1A2C0G1E090D030BA	9	0.300	0.2954	10.0
CGA1A2C0G1H100D030BA	10	0.300	0.3767	10.0
CGA1A2C0G1E100D030BA	10	0.300	0.3767	10.0
CGA1A2C0G1H120J030BA	12	0.300	0.2611	10.0
CGA1A2C0G1E120J030BA	12	0.300	0.2611	10.0
CGA1A2C0G1H150J030BA	15	0.300	0.2510	10.0
CGA1A2C0G1E150J030BA	15	0.300	0.2510	10.0
CGA1A2C0G1H180J030BA	18	0.300	0.2523	10.0
CGA1A2C0G1E180J030BA	18	0.300	0.2523	10.0
CGA1A2C0G1H220J030BA	22	0.300	0.2416	10.0

Multilayer Ceramic Chip Capacitors

June 29, 2015
Simple Model

Automotive Grade (General (Up to 50V)) / CGA1 series (2/4)

Circuit Diagram



Circuit Parameters

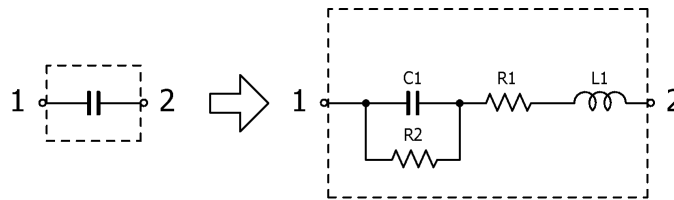
Part No.	C1[pF]	L1[nH]	R1[ohm]	R2[Gohm]
CGA1A2C0G1E220J030BA	22	0.300	0.2416	10.0
CGA1A2C0G1H270J030BA	27	0.300	0.2266	10.0
CGA1A2C0G1E270J030BA	27	0.300	0.2266	10.0
CGA1A2C0G1H330J030BA	33	0.300	0.1977	10.0
CGA1A2C0G1E330J030BA	33	0.300	0.1977	10.0
CGA1A2C0G1H390J030BA	39	0.300	0.1663	10.0
CGA1A2C0G1E390J030BA	39	0.300	0.1663	10.0
CGA1A2C0G1H470J030BA	47	0.300	0.1392	10.0
CGA1A2C0G1E470J030BA	47	0.300	0.1392	10.0
CGA1A2C0G1H560J030BA	56	0.300	0.1310	10.0
CGA1A2C0G1E560J030BA	56	0.300	0.1310	10.0
CGA1A2C0G1H680J030BA	68	0.300	0.1131	10.0
CGA1A2C0G1E680J030BA	68	0.300	0.1131	10.0
CGA1A2C0G1H820J030BA	82	0.300	0.0944	10.0
CGA1A2C0G1E820J030BA	82	0.300	0.0944	10.0
CGA1A2C0G1H101J030BA	100	0.300	0.0846	10.0
CGA1A2C0G1E101J030BA	100	0.300	0.0846	10.0
CGA1A2X7R1H101K030BA	100	0.300	0.8476	10.0
CGA1A2X7R1H101M030BA	100	0.300	0.8476	10.0
CGA1A2X7R1E101K030BA	100	0.300	0.9508	10.0
CGA1A2X7R1E101M030BA	100	0.300	0.9508	10.0
CGA1A2X7R1C101K030BA	100	0.300	0.8476	10.0
CGA1A2X7R1C101M030BA	100	0.300	0.8476	10.0
CGA1A2X7R1H151K030BA	150	0.300	0.7846	10.0
CGA1A2X7R1H151M030BA	150	0.300	0.7846	10.0
CGA1A2X7R1E151K030BA	150	0.300	0.9942	10.0
CGA1A2X7R1E151M030BA	150	0.300	0.9942	10.0
CGA1A2X7R1C151K030BA	150	0.300	0.7846	10.0
CGA1A2X7R1C151M030BA	150	0.300	0.7846	10.0
CGA1A2X7R1H221K030BA	220	0.300	0.5508	10.0
CGA1A2X7R1H221M030BA	220	0.300	0.5508	10.0
CGA1A2X7R1E221K030BA	220	0.300	0.5566	10.0
CGA1A2X7R1E221M030BA	220	0.300	0.5566	10.0
CGA1A2X7R1C221K030BA	220	0.300	0.5508	10.0
CGA1A2X7R1C221M030BA	220	0.300	0.5508	10.0
CGA1A2X7R1H331K030BA	330	0.300	0.4302	10.0
CGA1A2X7R1H331M030BA	330	0.300	0.4302	10.0

Multilayer Ceramic Chip Capacitors

June 29, 2015
Simple Model

Automotive Grade (General (Up to 50V)) / CGA1 series (3/4)

Circuit Diagram



Circuit Parameters

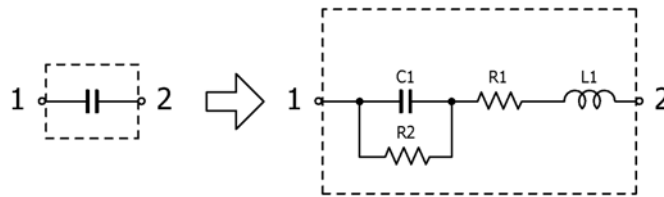
Part No.	C1[pF]	L1[nH]	R1[ohm]	R2[Gohm]
CGA1A2X7R1E331K030BA	330	0.300	0.4233	10.0
CGA1A2X7R1E331M030BA	330	0.300	0.4233	10.0
CGA1A2X7R1C331K030BA	330	0.300	0.4302	10.0
CGA1A2X7R1C331M030BA	330	0.300	0.4302	10.0
CGA1A2X7R1H471K030BA	470	0.300	0.3414	10.0
CGA1A2X7R1H471M030BA	470	0.300	0.3414	10.0
CGA1A2X7R1E471K030BA	470	0.300	0.4338	10.0
CGA1A2X7R1E471M030BA	470	0.300	0.4338	10.0
CGA1A2X7R1C471K030BA	470	0.300	0.3414	10.0
CGA1A2X7R1C471M030BA	470	0.300	0.3414	10.0
CGA1A2X7R1E681K030BA	680	0.300	0.2734	10.0
CGA1A2X7R1E681M030BA	680	0.300	0.2734	10.0
CGA1A2X7R1C681K030BA	680	0.300	0.3867	10.0
CGA1A2X7R1C681M030BA	680	0.300	0.3867	10.0
CGA1A2X7R1E102K030BA	1,000	0.300	0.2440	10.0
CGA1A2X7R1E102M030BA	1,000	0.300	0.2440	10.0
CGA1A2X7R1C102K030BA	1,000	0.300	0.2765	10.0
CGA1A2X7R1C102M030BA	1,000	0.300	0.2765	10.0
CGA1A2X7R1E152K030BA	1,500	0.300	0.1662	10.0
CGA1A2X7R1E152M030BA	1,500	0.300	0.1662	10.0
CGA1A2X7R1C152K030BA	1,500	0.300	0.1919	10.0
CGA1A2X7R1C152M030BA	1,500	0.300	0.1919	10.0
CGA1A2X7R1E222K030BA	2,200	0.300	0.1321	10.0
CGA1A2X7R1E222M030BA	2,200	0.300	0.1321	10.0
CGA1A2X7R1C222K030BA	2,200	0.300	0.1321	10.0
CGA1A2X7R1C222M030BA	2,200	0.300	0.1321	10.0
CGA1A2X7R1E332K030BA	3,300	0.300	0.0991	10.0
CGA1A2X7R1E332M030BA	3,300	0.300	0.0991	10.0
CGA1A2X7R1C332K030BA	3,300	0.300	0.1396	10.0
CGA1A2X7R1C332M030BA	3,300	0.300	0.1396	10.0
CGA1A2X7R1C472K030BA	4,700	0.300	0.0781	10.0
CGA1A2X7R1C472M030BA	4,700	0.300	0.0781	10.0
CGA1A2X7R1C682K030BA	6,800	0.300	0.1002	10.0
CGA1A2X7R1C682M030BA	6,800	0.300	0.1002	10.0
CGA1A2X7R1A103K030BA	10,000	0.300	0.0546	10.0
CGA1A2X7R1A103M030BA	10,000	0.300	0.0546	10.0
CGA1A2X7R0J103K030BA	10,000	0.300	0.0546	10.0

Multilayer Ceramic Chip Capacitors

June 28, 2019
Simple Model

Automotive Grade (General (Up to 50V)) / CGA1 series (4/4)

Circuit Diagram



Circuit Parameters

Part No.	C1[pF]	L1[nH]	R1[ohm]	R2[Gohm]
CGA1A2X7R0J103M030BA	10,000	0.300	0.0546	10.0
CGA1A1X7T0G104M030BC	100,000	0.300	0.0289	1.00