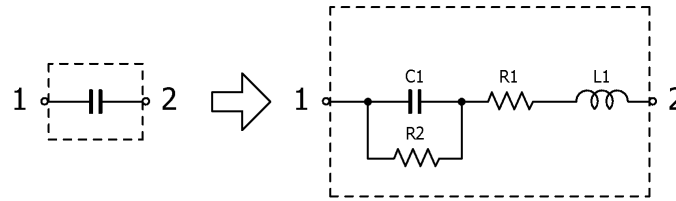


Multilayer Ceramic Chip Capacitors

May 23, 2024
Simple Model

Automotive Grade, Soft Termination / CGA2 series (1/2)

Circuit Diagram



Circuit Parameters

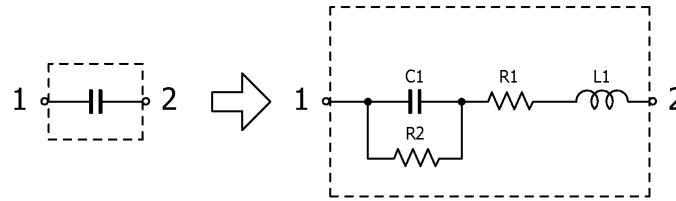
Part No.	C1[μ F]	L1[nH]	R1[ohm]	R2[Gohm]
CGA2B2C0G2A101J050BE	100	0.370	0.1516	10.0
CGA2B2C0G1H101J050BE	100	0.370	0.1516	10.0
CGA2B2C0G2A151J050BE	150	0.370	0.1257	10.0
CGA2B2C0G1H151J050BE	150	0.370	0.1257	10.0
CGA2B2C0G2A221J050BE	220	0.370	0.0990	10.0
CGA2B2C0G1H221J050BE	220	0.370	0.0990	10.0
CGA2B2X8R2A221K050BE	220	0.370	0.5980	10.0
CGA2B2X8R2A221M050BE	220	0.370	0.5980	10.0
CGA2B2X8R1H221K050BE	220	0.370	0.6118	10.0
CGA2B2X8R1H221M050BE	220	0.370	0.6118	10.0
CGA2B2C0G2A331J050BE	330	0.370	0.0937	10.0
CGA2B2C0G1H331J050BE	330	0.370	0.0937	10.0
CGA2B1C0G2A471J050BE	470	0.370	0.0776	10.0
CGA2B2C0G2A471J050BE	470	0.370	0.0539	10.0
CGA2B2C0G1H471J050BE	470	0.370	0.0776	10.0
CGA2B2X8R2A471K050BE	470	0.370	0.3483	10.0
CGA2B2X8R2A471M050BE	470	0.370	0.3483	10.0
CGA2B2X8R1H471K050BE	470	0.370	0.3251	10.0
CGA2B2X8R1H471M050BE	470	0.370	0.3251	10.0
CGA2B1C0G2A681J050BE	680	0.370	0.0937	10.0
CGA2B2C0G1H681J050BE	680	0.370	0.0824	10.0
CGA2B1C0G2A102J050BE	1,000	0.370	0.0527	10.0
CGA2B2C0G1H102J050BE	1,000	0.370	0.0527	10.0
CGA2B2X7R1H102K050BE	1,000	0.370	0.2599	10.0
CGA2B2X7R1H102M050BE	1,000	0.370	0.2599	10.0
CGA2B2X8R2A102K050BE	1,000	0.370	0.2226	10.0
CGA2B2X8R2A102M050BE	1,000	0.370	0.2226	10.0
CGA2B2X8R1H102K050BE	1,000	0.370	0.2452	10.0
CGA2B2X8R1H102M050BE	1,000	0.370	0.2452	10.0
CGA2B2X7R1H222K050BE	2,200	0.370	0.1666	10.0
CGA2B2X7R1H222M050BE	2,200	0.370	0.1666	10.0
CGA2B2X8R2A222K050BE	2,200	0.370	0.1449	10.0
CGA2B2X8R2A222M050BE	2,200	0.370	0.1449	10.0
CGA2B2X8R1H222K050BE	2,200	0.370	0.1930	10.0
CGA2B2X8R1H222M050BE	2,200	0.370	0.1930	10.0
CGA2B3X8R2A332K050BE	3,300	0.370	0.1340	10.0

Multilayer Ceramic Chip Capacitors

May 23, 2024
Simple Model

Automotive Grade, Soft Termination / CGA2 series (2/2)

Circuit Diagram



Circuit Parameters

Part No.	C1[μ F]	L1[nH]	R1[ohm]	R2[Gohm]
CGA2B3X8R2A332M050BE	3,300	0.370	0.1340	10.0
CGA2B2X7R1H472K050BE	4,700	0.370	0.1074	10.0
CGA2B2X7R1H472M050BE	4,700	0.370	0.1074	10.0
CGA2B2X8R1H472K050BE	4,700	0.370	0.1119	10.0
CGA2B2X8R1H472M050BE	4,700	0.370	0.1119	10.0
CGA2B3X7R1H103K050BE	10,000	0.370	0.1056	10.0
CGA2B3X7R1H103M050BE	10,000	0.370	0.1056	10.0
CGA2B3X8R1H103K050BE	10,000	0.370	0.1385	10.0
CGA2B3X8R1H103M050BE	10,000	0.370	0.1385	10.0
CGA2B2X8R1E103K050BE	10,000	0.370	0.0812	10.0
CGA2B2X8R1E103M050BE	10,000	0.370	0.0812	10.0
CGA2B3X7R1H223K050BE	22,000	0.370	0.0686	10.0
CGA2B3X7R1H223M050BE	22,000	0.370	0.0686	10.0
CGA2B3X8R1E223K050BE	22,000	0.370	0.0610	10.0
CGA2B3X8R1E223M050BE	22,000	0.370	0.0610	10.0
CGA2B3X7R1H473K050BE	47,000	0.370	0.0513	10.0
CGA2B3X7R1H473M050BE	47,000	0.370	0.0513	10.0
CGA2B1X8R1E473K050BE	47,000	0.370	0.0507	10.0
CGA2B1X8R1E473M050BE	47,000	0.370	0.0507	10.0
CGA2B3X8R1C473K050BE	47,000	0.370	0.0507	2.13
CGA2B3X8R1C473M050BE	47,000	0.370	0.0507	2.13
CGA2B3X7R1H104K050BE	100,000	0.370	0.0448	5.00
CGA2B3X7R1H104M050BE	100,000	0.370	0.0448	5.00
CGA2B1X7R1V224K050BE	220,000	0.370	0.0367	2.27
CGA2B1X7R1V224M050BE	220,000	0.370	0.0367	2.27
CGA2B3X7R1E224K050BE	220,000	0.370	0.0367	2.27
CGA2B3X7R1E224M050BE	220,000	0.370	0.0367	2.27
CGA2B2X7R1C224K050BE	220,000	0.370	0.0367	0.454
CGA2B2X7R1C224M050BE	220,000	0.370	0.0367	0.454
CGA2B1X7S1C474K050BE	470,000	0.370	0.0348	0.212
CGA2B1X7S1C474M050BE	470,000	0.370	0.0348	0.212
CGA2B3X7S1A474K050BE	470,000	0.370	0.0348	0.212
CGA2B3X7S1A474M050BE	470,000	0.370	0.0348	0.212