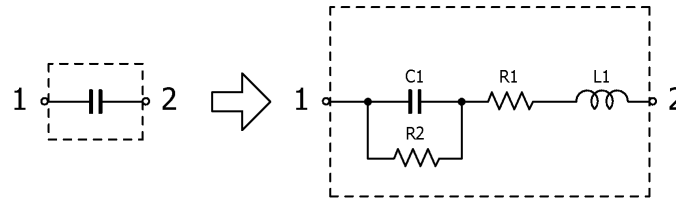


Multilayer Ceramic Chip Capacitors

May 23, 2024
Simple Model

Automotive Grade, Mid Voltage (100 to 630V) / CGA9 series (1/2)

Circuit Diagram



Circuit Parameters

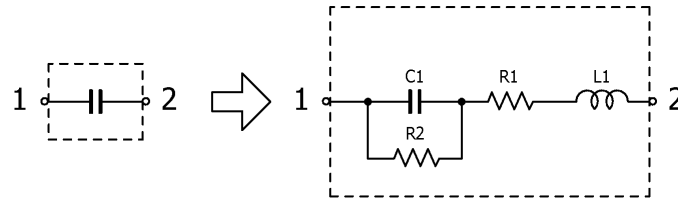
Part No.	C1[pF]	L1[nH]	R1[ohm]	R2[Gohm]
CGA9N1C0G2J683J230KC	68,000	0.650	0.0044	7.35
CGA9Q1C0G2J104J280KC	100,000	0.650	0.0029	5.00
CGA9Q4C0G2W104J280KA	100,000	0.650	0.0038	5.00
CGA9L4X7R2J154K160KA	150,000	0.650	0.0151	3.33
CGA9L4X7R2J154M160KA	150,000	0.650	0.0151	3.33
CGA9N4C0G2E154J230KN	150,000	0.650	0.0034	3.33
CGA9N2C0G2A154J230KA	150,000	0.650	0.0034	3.33
CGA9N4X7R2J224K230KA	220,000	0.650	0.0110	2.27
CGA9N4X7R2J224M230KA	220,000	0.650	0.0110	2.27
CGA9L3X7R2E334K160KA	330,000	0.650	0.0217	1.52
CGA9L3X7R2E334M160KA	330,000	0.650	0.0217	1.52
CGA9M1X7T2J334K200KC	330,000	0.650	0.0106	1.52
CGA9M1X7T2J334M200KC	330,000	0.650	0.0106	1.52
CGA9N3X7R2E474K230KA	470,000	0.650	0.0152	1.06
CGA9N3X7R2E474M230KA	470,000	0.650	0.0152	1.06
CGA9P1X7T2J474K250KC	470,000	0.650	0.0084	1.06
CGA9P1X7T2J474M250KC	470,000	0.650	0.0084	1.06
CGA9L2X7R2A684K160KA	680,000	0.650	0.0082	0.735
CGA9L2X7R2A684M160KA	680,000	0.650	0.0082	0.735
CGA9M4X7T2W684K200KA	680,000	0.650	0.0079	0.735
CGA9M4X7T2W684M200KA	680,000	0.650	0.0079	0.735
CGA9N3X7R2E684K230KA	680,000	0.650	0.0079	0.735
CGA9N3X7R2E684M230KA	680,000	0.650	0.0079	0.735
CGA9N3X7R2E105K230KA	1,000,000	0.650	0.0061	0.500
CGA9N3X7R2E105M230KA	1,000,000	0.650	0.0061	0.500
CGA9N2X7R2A105K230KA	1,000,000	0.650	0.0101	0.500
CGA9N2X7R2A105M230KA	1,000,000	0.650	0.0101	0.500
CGA9P4X7T2W105K250KA	1,000,000	0.650	0.0053	0.500
CGA9P4X7T2W105M250KA	1,000,000	0.650	0.0053	0.500
CGA9M3X7T2E155K200KA	1,500,000	0.650	0.0055	0.333
CGA9M3X7T2E155M200KA	1,500,000	0.650	0.0055	0.333
CGA9N2X7R2A155K230KA	1,500,000	0.650	0.0075	0.333
CGA9N2X7R2A155M230KA	1,500,000	0.650	0.0075	0.333
CGA9N2X7R2A225K230KA	2,200,000	0.650	0.0032	0.227
CGA9N2X7R2A225M230KA	2,200,000	0.650	0.0032	0.227
CGA9P3X7T2E225K250KA	2,200,000	0.650	0.0043	0.227

Multilayer Ceramic Chip Capacitors

May 23, 2024
Simple Model

Automotive Grade, Mid Voltage (100 to 630V) / CGA9 series (2/2)

Circuit Diagram



Circuit Parameters

Part No.	C1[pF]	L1[nH]	R1[ohm]	R2[Gohm]
CGA9P3X7T2E225M250KA	2,200,000	0.650	0.0043	0.227
CGA9N2X7R2A335K230KA	3,300,000	0.650	0.0031	0.151
CGA9N2X7R2A335M230KA	3,300,000	0.650	0.0031	0.151
CGA9N2X7R2A475K230KA	4,700,000	0.650	0.0025	0.106
CGA9N2X7R2A475M230KA	4,700,000	0.650	0.0025	0.106
CGA9M3X7S2A685K200KB	6,800,000	0.650	0.0035	0.0730
CGA9M3X7S2A685M200KB	6,800,000	0.650	0.0035	0.0730
CGA9N3X7S2A106K230KB	10,000,000	0.650	0.0034	0.0500
CGA9N3X7S2A106M230KB	10,000,000	0.650	0.0034	0.0500
CGA9P3X7S2A156M250KB	15,000,000	0.650	0.0024	0.0330