

Multilayer Ceramic Chip Capacitors

May 23, 2024
Simple Model

Automotive Grade, High Temperature Application / CGA5 series (1/3)

Circuit Diagram



Circuit Parameters

Part No.	C1[pF]	L1[nH]	R1[ohm]	R2[Gohm]
CGA5C2NP02A392J060AA	3,900	0.750	0.0231	10.0
CGA5F4NP02J392J085AA	3,900	0.750	0.0489	10.0
CGA5C2NP01H472J060AA	4,700	0.750	0.0364	10.0
CGA5F4NP02J472J085AA	4,700	0.750	0.0372	10.0
CGA5F2NP02A472J085AA	4,700	0.750	0.0288	10.0
CGA5F2NP02A562J085AA	5,600	0.750	0.0270	10.0
CGA5H4NP02J562J115AA	5,600	0.750	0.0317	10.0
CGA5C2NP01H682J060AA	6,800	0.750	0.0299	10.0
CGA5H4NP02J682J115AA	6,800	0.750	0.0238	10.0
CGA5H4NP02W682J115AA	6,800	0.750	0.0238	10.0
CGA5H2NP02A682J115AA	6,800	0.750	0.0221	10.0
CGA5H4NP02W822J115AA	8,200	0.750	0.0219	10.0
CGA5H2NP02A822J115AA	8,200	0.750	0.0169	10.0
CGA5L4NP02J822J160AA	8,200	0.750	0.0216	10.0
CGA5C2NP01H103J060AA	10,000	0.750	0.0236	10.0
CGA5H3NP02E103J115AA	10,000	0.750	0.0179	10.0
CGA5H2NP02A103J115AA	10,000	0.750	0.0135	10.0
CGA5L4NP02J103J160AA	10,000	0.750	0.0181	10.0
CGA5L4NP02W103J160AA	10,000	0.750	0.0181	10.0
CGA5C2NP01H153J060AA	15,000	0.750	0.0199	10.0
CGA5H2NP02A153J115AA	15,000	0.750	0.0105	10.0
CGA5L4NP02W153J160AA	15,000	0.750	0.0135	10.0
CGA5L3NP02E153J160AA	15,000	0.750	0.0138	10.0
CGA5C2NP01H223J060AA	22,000	0.750	0.0151	10.0
CGA5L3NP02E223J160AA	22,000	0.750	0.0111	10.0
CGA5L2NP02A223J160AA	22,000	0.750	0.0117	10.0
CGA5F2NP01H333J085AA	33,000	0.750	0.0166	10.0
CGA5L2NP02A333J160AA	33,000	0.750	0.0098	10.0
CGA5H2NP01H473J115AA	47,000	0.750	0.0104	10.0
CGA5H2X8R2A683K115AA	68,000	0.750	0.0211	7.35
CGA5H2X8R2A683M115AA	68,000	0.750	0.0211	7.35
CGA5L2NP01H683J160AA	68,000	0.750	0.0088	7.35
CGA5H2X8R2A104K115AA	100,000	0.750	0.0213	5.00
CGA5H2X8R2A104M115AA	100,000	0.750	0.0213	5.00
CGA5L2NP01H104J160AA	100,000	0.750	0.0060	5.00
CGA5L2X8R2A154K160AA	150,000	0.750	0.0162	3.33

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Circuit Diagram



Circuit Parameters

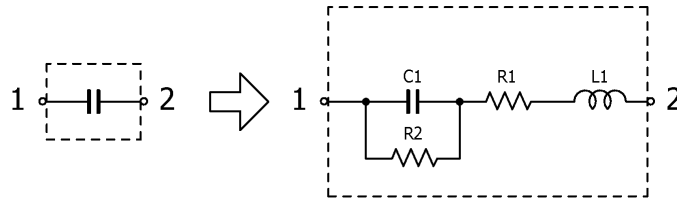
Part No.	C1[pF]	L1[nH]	R1[ohm]	R2[Gohm]
CGA5L2X8R2A154M160AA	150,000	0.750	0.0162	3.33
CGA5H2X8R1H224K115AA	220,000	0.750	0.0134	2.27
CGA5H2X8R1H224M115AA	220,000	0.750	0.0134	2.27
CGA5L3X8R2A224K160AB	220,000	0.750	0.0160	2.27
CGA5L3X8R2A224M160AB	220,000	0.750	0.0160	2.27
CGA5L3X8R2A334K160AB	330,000	0.750	0.0129	1.52
CGA5L3X8R2A334M160AB	330,000	0.750	0.0129	1.52
CGA5L2X8R1H334K160AA	330,000	0.750	0.0117	1.52
CGA5L2X8R1H334M160AA	330,000	0.750	0.0117	1.52
CGA5L2X8R1H474K160AA	470,000	0.750	0.0076	1.06
CGA5L2X8R1H474M160AA	470,000	0.750	0.0076	1.06
CGA5H2X8R1E684K115AA	680,000	0.750	0.0098	0.735
CGA5H2X8R1E684M115AA	680,000	0.750	0.0098	0.735
CGA5L3X8R1H684K160AB	680,000	0.750	0.0082	0.735
CGA5L3X8R1H684M160AB	680,000	0.750	0.0082	0.735
CGA5L3X8R1H105K160AB	1,000,000	0.750	0.0057	0.500
CGA5L3X8R1H105M160AB	1,000,000	0.750	0.0057	0.500
CGA5L2X8R1E105K160AA	1,000,000	0.750	0.0073	0.500
CGA5L2X8R1E105M160AA	1,000,000	0.750	0.0073	0.500
CGA5L1X8L1H155K160AC	1,500,000	0.750	0.0066	0.333
CGA5L3X8R1E155K160AB	1,500,000	0.750	0.0071	0.333
CGA5L3X8R1E155M160AB	1,500,000	0.750	0.0071	0.333
CGA5L1X8L1H225K160AC	2,200,000	0.750	0.0071	0.227
CGA5L3X8R1E225K160AB	2,200,000	0.750	0.0048	0.227
CGA5L3X8R1E225M160AB	2,200,000	0.750	0.0048	0.227
CGA5L1X8L1H335K160AC	3,300,000	0.750	0.0045	0.151
CGA5L1X8R1E335K160AC	3,300,000	0.750	0.0036	0.151
CGA5L1X8R1E335M160AC	3,300,000	0.750	0.0036	0.151
CGA5L3X8R1C335K160AB	3,300,000	0.750	0.0036	0.0300
CGA5L3X8R1C335M160AB	3,300,000	0.750	0.0036	0.0300
CGA5L1X8R1E475K160AC	4,700,000	0.750	0.0039	0.106
CGA5L1X8R1E475M160AC	4,700,000	0.750	0.0039	0.106
CGA5L3X8R1C475K160AB	4,700,000	0.750	0.0039	0.0210
CGA5L3X8R1C475M160AB	4,700,000	0.750	0.0039	0.0210
CGA5L1X8L1C685K160AC	6,800,000	0.750	0.0030	0.0140
CGA5L1X8L1E106K160AC	10,000,000	0.750	0.0022	0.0500

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Part No.	C1[pF]	L1[nH]	R1[ohm]	R2[Gohm]
CGA5L1X8L1C106K160AC	10,000,000	0.750	0.0022	0.0100
CGA5L1X8L0G156M160AC	15,000,000	0.750	0.0019	0.00600
CGA5L1X8L0G226M160AC	22,000,000	0.750	0.0019	0.00400