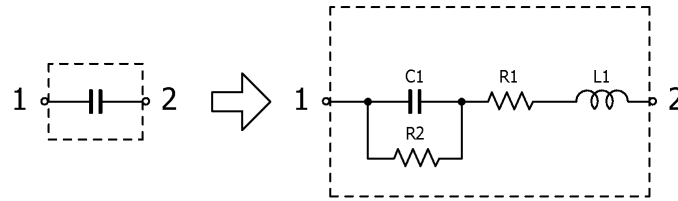


## Multilayer Ceramic Chip Capacitors

May 23, 2022  
Simple Model

Automotive Grade, Conductive Epoxy Application / CGA5 series (1/2)

### Circuit Diagram



### Circuit Parameters

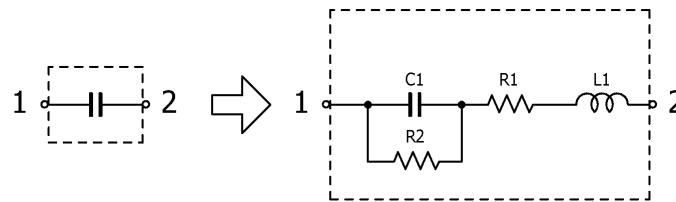
Part No.	C1[pF]	L1[nH]	R1[ohm]	R2[Gohm]
CGA5C2C0G1H472J060AD	4,700	0.750	0.0364	10.0
CGA5C2C0G1H562J060AD	5,600	0.750	0.0288	10.0
CGA5C2C0G1H682J060AD	6,800	0.750	0.0299	10.0
CGA5C2C0G1H822J060AD	8,200	0.750	0.0313	10.0
CGA5C2C0G1H103J060AD	10,000	0.750	0.0236	10.0
CGA5C2C0G1H153J060AD	15,000	0.750	0.0199	10.0
CGA5C2C0G1H223J060AD	22,000	0.750	0.0151	10.0
CGA5F2C0G1H333J085AD	33,000	0.750	0.0166	10.0
CGA5F2X8R2A333K085AD	33,000	0.750	0.0373	10.0
CGA5F2X8R2A333M085AD	33,000	0.750	0.0373	10.0
CGA5F2X8R2A473K085AD	47,000	0.750	0.0288	10.0
CGA5F2X8R2A473M085AD	47,000	0.750	0.0288	10.0
CGA5H2C0G1H473J115AD	47,000	0.750	0.0104	10.0
CGA5H2X8R2A683K115AD	68,000	0.750	0.0211	7.35
CGA5H2X8R2A683M115AD	68,000	0.750	0.0211	7.35
CGA5L2C0G1H683J160AD	68,000	0.750	0.0088	7.35
CGA5H2X8R2A104K115AD	100,000	0.750	0.0213	5.00
CGA5H2X8R2A104M115AD	100,000	0.750	0.0213	5.00
CGA5L2C0G1H104J160AD	100,000	0.750	0.0060	5.00
CGA5F2X8R1H154K085AD	150,000	0.750	0.0180	3.33
CGA5F2X8R1H154M085AD	150,000	0.750	0.0180	3.33
CGA5L2X8R2A154K160AD	150,000	0.750	0.0162	3.33
CGA5L2X8R2A154M160AD	150,000	0.750	0.0162	3.33
CGA5H2X8R1H224K115AD	220,000	0.750	0.0134	2.27
CGA5H2X8R1H224M115AD	220,000	0.750	0.0134	2.27
CGA5L3X8R2A224K160AD	220,000	0.750	0.0160	2.27
CGA5L3X8R2A224M160AD	220,000	0.750	0.0160	2.27
CGA5F2X8R1E334K085AD	330,000	0.750	0.0144	1.52
CGA5F2X8R1E334M085AD	330,000	0.750	0.0144	1.52
CGA5L3X8R2A334K160AD	330,000	0.750	0.0129	1.52
CGA5L3X8R2A334M160AD	330,000	0.750	0.0129	1.52
CGA5L2X8R1H334K160AD	330,000	0.750	0.0117	1.52
CGA5L2X8R1H334M160AD	330,000	0.750	0.0117	1.52
CGA5F2X8R1E474K085AD	470,000	0.750	0.0121	1.06
CGA5F2X8R1E474M085AD	470,000	0.750	0.0121	1.06
CGA5L2X7R1H474K160AD	470,000	0.750	0.0095	1.06

## Multilayer Ceramic Chip Capacitors

May 23, 2022  
Simple Model

Automotive Grade, Conductive Epoxy Application / CGA5 series (2/2)

### Circuit Diagram



### Circuit Parameters

Part No.	C1[ $\mu$ F]	L1[nH]	R1[ohm]	R2[Gohm]
CGA5L2X7R1H474M160AD	470,000	0.750	0.0095	1.06
CGA5L2X8R1H474K160AD	470,000	0.750	0.0076	1.06
CGA5L2X8R1H474M160AD	470,000	0.750	0.0076	1.06
CGA5H2X8R1E684K115AD	680,000	0.750	0.0098	0.735
CGA5H2X8R1E684M115AD	680,000	0.750	0.0098	0.735
CGA5L2X7R1H684K160AD	680,000	0.750	0.0092	0.735
CGA5L2X7R1H684M160AD	680,000	0.750	0.0092	0.735
CGA5L3X8R1H684K160AD	680,000	0.750	0.0082	0.735
CGA5L3X8R1H684M160AD	680,000	0.750	0.0082	0.735
CGA5L2X7R1E105K160AD	1,000,000	0.750	0.0092	0.500
CGA5L2X7R1E105M160AD	1,000,000	0.750	0.0092	0.500
CGA5L3X8R1H105K160AD	1,000,000	0.750	0.0057	0.500
CGA5L3X8R1H105M160AD	1,000,000	0.750	0.0057	0.500
CGA5L2X8R1E105K160AD	1,000,000	0.750	0.0073	0.500
CGA5L2X8R1E105M160AD	1,000,000	0.750	0.0073	0.500
CGA5L2X7R1E155K160AD	1,500,000	0.750	0.0103	0.333
CGA5L3X8R1E155K160AD	1,500,000	0.750	0.0071	0.333
CGA5L3X8R1E155M160AD	1,500,000	0.750	0.0071	0.333
CGA5L2X7R1E225K160AD	2,200,000	0.750	0.0052	0.227
CGA5L2X7R1E225M160AD	2,200,000	0.750	0.0052	0.227
CGA5L3X8R1E225K160AD	2,200,000	0.750	0.0048	0.227
CGA5L3X8R1E225M160AD	2,200,000	0.750	0.0048	0.227
CGA5L1X8R1E335K160AD	3,300,000	0.750	0.0036	0.151
CGA5L1X8R1E335M160AD	3,300,000	0.750	0.0036	0.151
CGA5L3X8R1C335K160AD	3,300,000	0.750	0.0036	0.0300
CGA5L3X8R1C335M160AD	3,300,000	0.750	0.0036	0.0300
CGA5L3X7R1C475K160AD	4,700,000	0.750	0.0056	0.0210
CGA5L3X7R1C475M160AD	4,700,000	0.750	0.0056	0.0210
CGA5L1X8R1E475K160AD	4,700,000	0.750	0.0039	0.106
CGA5L1X8R1E475M160AD	4,700,000	0.750	0.0039	0.106
CGA5L3X8R1C475K160AD	4,700,000	0.750	0.0039	0.0210
CGA5L3X8R1C475M160AD	4,700,000	0.750	0.0039	0.0210
CGA5L1X7R1E685K160AD	6,800,000	0.750	0.0035	0.0730
CGA5L1X7R1E685M160AD	6,800,000	0.750	0.0035	0.0730
CGA5L1X7R1E106K160AD	10,000,000	0.750	0.0015	0.0500
CGA5L1X7R1E106M160AD	10,000,000	0.750	0.0015	0.0500