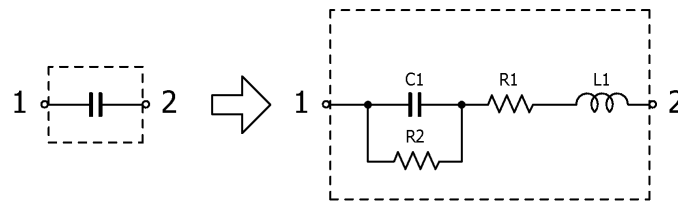


## Multilayer Ceramic Chip Capacitors

Aug. 18, 2020  
Simple Model

Automotive Grade, High Temperature Application / CGA4 series (1/2)

### Circuit Diagram



### Circuit Parameters

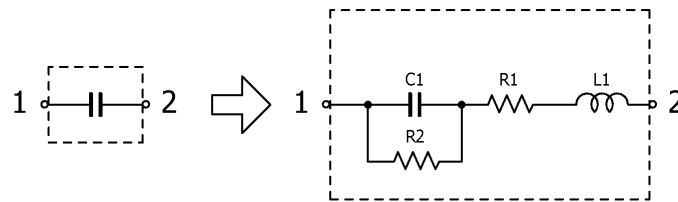
Part No.	C1[pF]	L1[nH]	R1[ohm]	R2[Gohm]
CGA4C2NP02A102J060AA	1,000	0.480	0.0254	10.0
CGA4C2NP02A122J060AA	1,200	0.480	0.0879	10.0
CGA4C2NP02A152J060AA	1,500	0.480	0.0510	10.0
CGA4F2NP02A182J085AA	1,800	0.480	0.0301	10.0
CGA4F2NP02A222J085AA	2,200	0.480	0.0243	10.0
CGA4C2NP01H272J060AA	2,700	0.480	0.0528	10.0
CGA4J2NP02A272J125AA	2,700	0.480	0.0237	10.0
CGA4C2NP01H332J060AA	3,300	0.480	0.0268	10.0
CGA4J2NP02A332J125AA	3,300	0.480	0.0210	10.0
CGA4C2NP01H392J060AA	3,900	0.480	0.0257	10.0
CGA4J2NP02A392J125AA	3,900	0.480	0.0184	10.0
CGA4C2NP01H472J060AA	4,700	0.480	0.0436	10.0
CGA4J2NP02A472J125AA	4,700	0.480	0.0197	10.0
CGA4C2NP01H562J060AA	5,600	0.480	0.0207	10.0
CGA4J2NP02A562J125AA	5,600	0.480	0.0275	10.0
CGA4C2NP01H682J060AA	6,800	0.480	0.0198	10.0
CGA4J2NP02A682J125AA	6,800	0.480	0.0225	10.0
CGA4C2NP01H822J060AA	8,200	0.480	0.0162	10.0
CGA4J2NP02A822J125AA	8,200	0.480	0.0194	10.0
CGA4C2NP01H103J060AA	10,000	0.480	0.0370	10.0
CGA4J2NP02A103J125AA	10,000	0.480	0.0169	10.0
CGA4F2NP01H153J085AA	15,000	0.480	0.0130	10.0
CGA4J2NP01H223J125AA	22,000	0.480	0.0120	10.0
CGA4J2X8R2A223K125AA	22,000	0.480	0.0284	10.0
CGA4J2X8R2A223M125AA	22,000	0.480	0.0284	10.0
CGA4J2NP01H333J125AA	33,000	0.480	0.0085	10.0
CGA4J3X8R2A333K125AB	33,000	0.480	0.0441	10.0
CGA4J3X8R2A333M125AB	33,000	0.480	0.0441	10.0
CGA4J3X8R2A473K125AB	47,000	0.480	0.0305	10.0
CGA4J3X8R2A473M125AB	47,000	0.480	0.0305	10.0
CGA4J3X8R2A683K125AB	68,000	0.480	0.0238	7.35
CGA4J3X8R2A683M125AB	68,000	0.480	0.0238	7.35
CGA4J2X8R1H683K125AA	68,000	0.480	0.0185	7.35
CGA4J2X8R1H683M125AA	68,000	0.480	0.0185	7.35
CGA4J2X8R1H104K125AA	100,000	0.480	0.0127	5.00
CGA4J2X8R1H104M125AA	100,000	0.480	0.0127	5.00

## Multilayer Ceramic Chip Capacitors

Aug. 18, 2020  
Simple Model

Automotive Grade, High Temperature Application / CGA4 series (2/2)

### Circuit Diagram



### Circuit Parameters

Part No.	C1[pF]	L1[nH]	R1[ohm]	R2[Gohm]
CGA4J3X8R1H154K125AB	150,000	0.480	0.0187	3.33
CGA4J3X8R1H154M125AB	150,000	0.480	0.0187	3.33
CGA4J3X8R1H224K125AB	220,000	0.480	0.0135	2.27
CGA4J3X8R1H224M125AB	220,000	0.480	0.0135	2.27
CGA4J2X8R1E224K125AA	220,000	0.480	0.0125	2.27
CGA4J2X8R1E224M125AA	220,000	0.480	0.0125	2.27
CGA4J1X8L1H334K125AC	330,000	0.480	0.0117	1.52
CGA4J2X8R1E334K125AA	330,000	0.480	0.0076	1.52
CGA4J2X8R1E334M125AA	330,000	0.480	0.0076	1.52
CGA4J1X8L1H474K125AC	470,000	0.480	0.0094	1.06
CGA4J3X8R1E474K125AB	470,000	0.480	0.0072	1.06
CGA4J3X8R1E474M125AB	470,000	0.480	0.0072	1.06
CGA4J1X8L1H684K125AC	680,000	0.480	0.0076	0.735
CGA4J3X8R1C684K125AB	680,000	0.480	0.0077	0.147
CGA4J3X8R1C684M125AB	680,000	0.480	0.0077	0.147
CGA4J1X8L1H105K125AC	1,000,000	0.480	0.0060	0.500
CGA4J3X8R1C105K125AB	1,000,000	0.480	0.0057	0.100
CGA4J3X8R1C105M125AB	1,000,000	0.480	0.0057	0.100