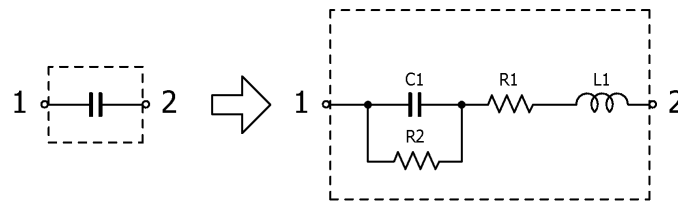


## Multilayer Ceramic Chip Capacitors

July 26, 2019  
Simple Model

Automotive Grade, High Temperature Application / CGA2 series (1/3)

### Circuit Diagram



### Circuit Parameters

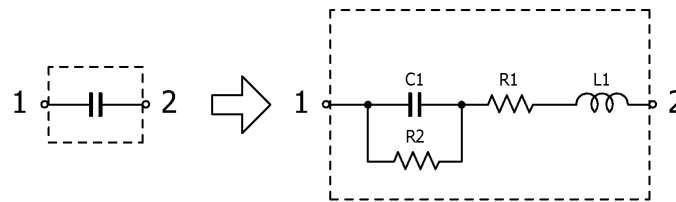
Part No.	C1[pF]	L1[nH]	R1[ohm]	R2[Gohm]
CGA2B2NP01H010C050BA	1	0.370	0.8671	10.0
CGA2B2NP01H1R5C050BA	1.5	0.370	0.7727	10.0
CGA2B2NP01H020C050BA	2	0.370	0.5777	10.0
CGA2B2NP01H2R2C050BA	2.2	0.370	1.1611	10.0
CGA2B2NP01H030C050BA	3	0.370	0.5716	10.0
CGA2B2NP01H3R3C050BA	3.3	0.370	0.6580	10.0
CGA2B2NP01H040C050BA	4	0.370	0.4194	10.0
CGA2B2NP01H4R7C050BA	4.7	0.370	0.4124	10.0
CGA2B2NP01H050C050BA	5	0.370	0.3088	10.0
CGA2B2NP01H060D050BA	6	0.370	0.3479	10.0
CGA2B2NP01H6R8D050BA	6.8	0.370	0.3066	10.0
CGA2B2NP01H070D050BA	7	0.370	0.2969	10.0
CGA2B2NP01H080D050BA	8	0.370	0.2941	10.0
CGA2B2NP01H090D050BA	9	0.370	0.2694	10.0
CGA2B2NP01H100D050BA	10	0.370	0.2845	10.0
CGA2B2NP01H120J050BA	12	0.370	0.2481	10.0
CGA2B2NP01H150J050BA	15	0.370	0.2050	10.0
CGA2B2NP01H180J050BA	18	0.370	0.2248	10.0
CGA2B2NP01H220J050BA	22	0.370	0.1883	10.0
CGA2B2NP01H270J050BA	27	0.370	0.1753	10.0
CGA2B2NP01H330J050BA	33	0.370	0.1737	10.0
CGA2B2NP01H390J050BA	39	0.370	0.1455	10.0
CGA2B2NP01H470J050BA	47	0.370	0.1126	10.0
CGA2B2NP01H560J050BA	56	0.370	0.1085	10.0
CGA2B2NP01H680J050BA	68	0.370	0.1017	10.0
CGA2B2NP01H820J050BA	82	0.370	0.1065	10.0
CGA2B2NP01H101J050BA	100	0.370	0.1104	10.0
CGA2B2NP01H121J050BA	120	0.370	0.0877	10.0
CGA2B2NP01H151J050BA	150	0.370	0.0978	10.0
CGA2B2X8R1H151K050BA	150	0.370	0.7665	10.0
CGA2B2X8R1H151M050BA	150	0.370	0.7665	10.0
CGA2B2NP01H181J050BA	180	0.370	0.0761	10.0
CGA2B2NP01H221J050BA	220	0.370	0.0687	10.0
CGA2B2X8R1H221K050BA	220	0.370	0.5868	10.0
CGA2B2X8R1H221M050BA	220	0.370	0.5868	10.0
CGA2B2NP01H271J050BA	270	0.370	0.0704	10.0

## Multilayer Ceramic Chip Capacitors

July 26, 2019  
Simple Model

Automotive Grade, High Temperature Application / CGA2 series (2/3)

### Circuit Diagram



### Circuit Parameters

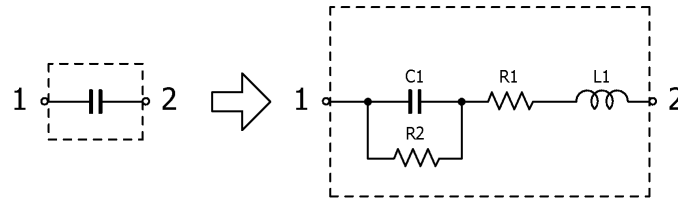
Part No.	C1[pF]	L1[nH]	R1[ohm]	R2[Gohm]
CGA2B2NP01H331J050BA	330	0.370	0.0667	10.0
CGA2B2X8R1H331K050BA	330	0.370	0.3975	10.0
CGA2B2X8R1H331M050BA	330	0.370	0.3975	10.0
CGA2B2NP01H391J050BA	390	0.370	0.0540	10.0
CGA2B2NP01H471J050BA	470	0.370	0.0506	10.0
CGA2B2X8R1H471K050BA	470	0.370	0.3001	10.0
CGA2B2X8R1H471M050BA	470	0.370	0.3001	10.0
CGA2B2NP01H561J050BA	560	0.370	0.0643	10.0
CGA2B2NP01H681J050BA	680	0.370	0.0561	10.0
CGA2B2X8R1H681K050BA	680	0.370	0.2867	10.0
CGA2B2X8R1H681M050BA	680	0.370	0.2867	10.0
CGA2B2NP01H821J050BA	820	0.370	0.0475	10.0
CGA2B2NP01H102J050BA	1,000	0.370	0.0408	10.0
CGA2B2X8R1H102K050BA	1,000	0.370	0.2202	10.0
CGA2B2X8R1H102M050BA	1,000	0.370	0.2202	10.0
CGA2B2X8R1H152K050BA	1,500	0.370	0.1596	10.0
CGA2B2X8R1H152M050BA	1,500	0.370	0.1596	10.0
CGA2B2X8R1H222K050BA	2,200	0.370	0.1680	10.0
CGA2B2X8R1H222M050BA	2,200	0.370	0.1680	10.0
CGA2B3X8R2A332K050BB	3,300	0.370	0.1049	10.0
CGA2B3X8R2A332M050BB	3,300	0.370	0.1049	10.0
CGA2B2X8R1H332K050BA	3,300	0.370	0.1053	10.0
CGA2B2X8R1H332M050BA	3,300	0.370	0.1053	10.0
CGA2B2X8R1H472K050BA	4,700	0.370	0.0869	10.0
CGA2B2X8R1H472M050BA	4,700	0.370	0.0869	10.0
CGA2B3X8R1H682K050BB	6,800	0.370	0.0675	10.0
CGA2B3X8R1H682M050BB	6,800	0.370	0.0675	10.0
CGA2B2X8R1E682K050BA	6,800	0.370	0.0715	10.0
CGA2B2X8R1E682M050BA	6,800	0.370	0.0715	10.0
CGA2B3X8R1H103K050BB	10,000	0.370	0.1142	10.0
CGA2B3X8R1H103M050BB	10,000	0.370	0.1142	10.0
CGA2B2X8R1E103K050BA	10,000	0.370	0.0562	10.0
CGA2B2X8R1E103M050BA	10,000	0.370	0.0562	10.0
CGA2B3X8R1E153K050BB	15,000	0.370	0.0486	10.0
CGA2B3X8R1E153M050BB	15,000	0.370	0.0486	10.0
CGA2B3X8R1E223K050BB	22,000	0.370	0.0360	10.0

## Multilayer Ceramic Chip Capacitors

July 26, 2019  
Simple Model

Automotive Grade, High Temperature Application / CGA2 series (3/3)

### Circuit Diagram



### Circuit Parameters

Part No.	C1[pF]	L1[nH]	R1[ohm]	R2[Gohm]
CGA2B3X8R1E223M050BB	22,000	0.370	0.0360	10.0
CGA2B3X8R1C333K050BB	33,000	0.370	0.0271	3.03
CGA2B3X8R1C333M050BB	33,000	0.370	0.0271	3.03
CGA2B3X8R1C473K050BB	47,000	0.370	0.0261	2.13
CGA2B3X8R1C473M050BB	47,000	0.370	0.0261	2.13