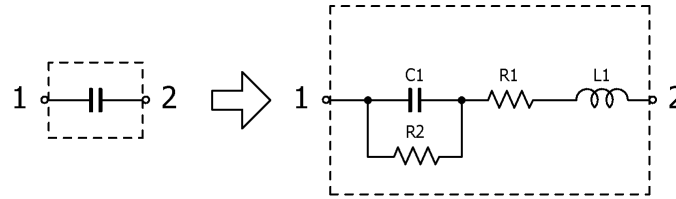


## Multilayer Ceramic Chip Capacitors

June 29, 2015  
Simple Model

Automotive Grade ( Mid Voltage (100 to 630V) ) / CGA8 series (1/2)

### Circuit Diagram



### Circuit Parameters

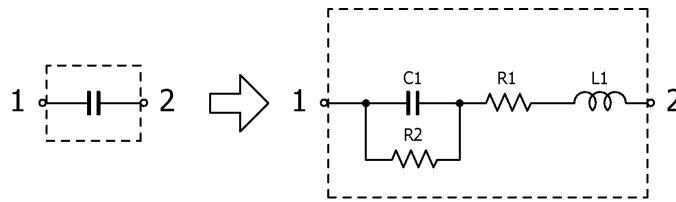
Part No.	C1[pF]	L1[nH]	R1[ohm]	R2[Gohm]
CGA8L4C0G2J822J160KA	8,200	0.700	0.0153	10.0
CGA8L4C0G2J103J160KA	10,000	0.700	0.0148	10.0
CGA8P4C0G2J153J250KA	15,000	0.700	0.0100	10.0
CGA8R4C0G2J223J320KA	22,000	0.700	0.0097	10.0
CGA8L3C0G2E223J160KA	22,000	0.700	0.0080	10.0
CGA8M3C0G2E333J200KA	33,000	0.700	0.0102	10.0
CGA8R4C0G2J473J320KA	47,000	0.700	0.0063	10.0
CGA8R4NP02J473J320KA	47,000	0.700	0.0063	10.0
CGA8N4C0G2W473J230KA	47,000	0.700	0.0067	10.0
CGA8N4NP02W473J230KA	47,000	0.700	0.0065	10.0
CGA8R3C0G2E473J320KA	47,000	0.700	0.0084	10.0
CGA8M2C0G2A473J200KA	47,000	0.700	0.0102	10.0
CGA8R4NP02W683J320KA	68,000	0.700	0.0086	7.35
CGA8N4C0G2E683J230KN	68,000	0.700	0.0062	7.35
CGA8N4NP02E683J230KN	68,000	0.700	0.0057	7.35
CGA8P2C0G2A683J250KA	68,000	0.700	0.0066	7.35
CGA8R4C0G2E104J320KN	100,000	0.700	0.0055	5.00
CGA8R2C0G2A104J320KA	100,000	0.700	0.0053	5.00
CGA8L4X7R2J683K160KA	68,000	0.700	0.0297	7.35
CGA8L4X7R2J683M160KA	68,000	0.700	0.0297	7.35
CGA8N4X7R2J104K230KA	100,000	0.700	0.0182	5.00
CGA8N4X7R2J104M230KA	100,000	0.700	0.0182	5.00
CGA8L1X7T2J154K160KC	150,000	0.700	0.0173	3.33
CGA8L1X7T2J154M160KC	150,000	0.700	0.0173	3.33
CGA8L3X7R2E154K160KA	150,000	0.700	0.0190	3.33
CGA8L3X7R2E154M160KA	150,000	0.700	0.0190	3.33
CGA8M1X7T2J224K200KC	220,000	0.700	0.0134	2.27
CGA8M1X7T2J224M200KC	220,000	0.700	0.0134	2.27
CGA8N3X7R2E224K230KA	220,000	0.700	0.0112	2.27
CGA8N3X7R2E224M230KA	220,000	0.700	0.0112	2.27
CGA8L4X7T2W334K160KA	330,000	0.700	0.0107	1.52
CGA8L4X7T2W334M160KA	330,000	0.700	0.0107	1.52
CGA8N3X7R2E334K230KA	330,000	0.700	0.0103	1.52
CGA8N3X7R2E334M230KA	330,000	0.700	0.0103	1.52
CGA8N4X7T2W474K230KA	470,000	0.700	0.0075	1.06
CGA8N4X7T2W474M230KA	470,000	0.700	0.0075	1.06
CGA8N3X7R2E474K230KA	470,000	0.700	0.0095	1.06

## Multilayer Ceramic Chip Capacitors

June 29, 2015  
Simple Model

Automotive Grade ( Mid Voltage ( 100 to 630V ) ) / CGA8 series ( 2/2 )

### Circuit Diagram



### Circuit Parameters

Part No.	C1[pF]	L1[nH]	R1[ohm]	R2[Gohm]
CGA8N3X7R2E474M230KA	470,000	0.700	0.0095	1.06
CGA8L3X7T2E684K160KA	680,000	0.700	0.0077	0.735
CGA8L3X7T2E684M160KA	680,000	0.700	0.0077	0.735
CGA8N2X7R2A684K230KA	680,000	0.700	0.0117	0.735
CGA8N2X7R2A684M230KA	680,000	0.700	0.0117	0.735
CGA8P3X7T2E105K250KA	1,000,000	0.700	0.0061	0.500
CGA8P3X7T2E105M250KA	1,000,000	0.700	0.0061	0.500
CGA8N2X7R2A105K230KA	1,000,000	0.700	0.0071	0.500
CGA8N2X7R2A105M230KA	1,000,000	0.700	0.0071	0.500
CGA8N2X7R2A155K230KA	1,500,000	0.700	0.0078	0.333
CGA8N2X7R2A155M230KA	1,500,000	0.700	0.0078	0.333
CGA8N2X7R2A225K230KA	2,200,000	0.700	0.0037	0.227
CGA8N2X7R2A225M230KA	2,200,000	0.700	0.0037	0.227
CGA8M3X7S2A335K200KB	3,300,000	0.700	0.0048	0.151
CGA8M3X7S2A335M200KB	3,300,000	0.700	0.0048	0.151
CGA8N3X7S2A475K230KB	4,700,000	0.700	0.0058	0.106
CGA8N3X7S2A475M230KB	4,700,000	0.700	0.0058	0.106