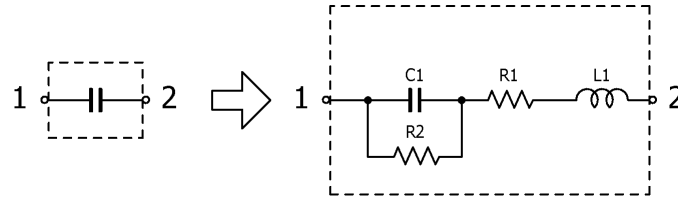


## Multilayer Ceramic Chip Capacitors

June 29, 2015  
Simple Model

Automotive Grade ( Mid Voltage (100 to 630V) ) / CGA3 series (1/3)

### Circuit Diagram



### Circuit Parameters

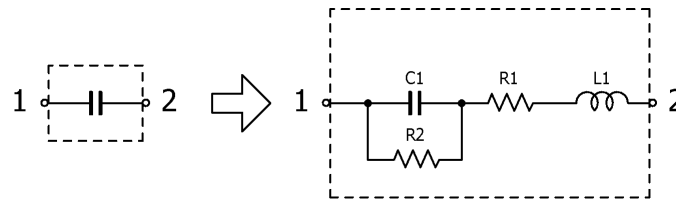
Part No.	C1[ $\mu$ F]	L1[nH]	R1[ohm]	R2[Gohm]
CGA3E2C0G2A010C080AA	1	0.420	1.1407	10.0
CGA3E2C0G2A1R5C080AA	1.5	0.420	0.7938	10.0
CGA3E2C0G2A020C080AA	2	0.420	1.0049	10.0
CGA3E2C0G2A2R2C080AA	2.2	0.420	0.5751	10.0
CGA3E2C0G2A030C080AA	3	0.420	0.8279	10.0
CGA3E2C0G2A3R3C080AA	3.3	0.420	0.8276	10.0
CGA3E2C0G2A040C080AA	4	0.420	0.6683	10.0
CGA3E2C0G2A4R7C080AA	4.7	0.420	0.5966	10.0
CGA3E2C0G2A050C080AA	5	0.420	0.4904	10.0
CGA3E2C0G2A060D080AA	6	0.420	0.4810	10.0
CGA3E2C0G2A6R8D080AA	6.8	0.420	0.4434	10.0
CGA3E2C0G2A070D080AA	7	0.420	0.4387	10.0
CGA3E2C0G2A080D080AA	8	0.420	0.3963	10.0
CGA3E2C0G2A090D080AA	9	0.420	0.3734	10.0
CGA3E2C0G2A100D080AA	10	0.420	0.3177	10.0
CGA3E2C0G2A120J080AA	12	0.420	0.3774	10.0
CGA3E2C0G2A150J080AA	15	0.420	0.3337	10.0
CGA3E2C0G2A180J080AA	18	0.420	0.2832	10.0
CGA3E2C0G2A220J080AA	22	0.420	0.2436	10.0
CGA3E2C0G2A270J080AA	27	0.420	0.2617	10.0
CGA3E2C0G2A330J080AA	33	0.420	0.2683	10.0
CGA3E2C0G2A390J080AA	39	0.420	0.1719	10.0
CGA3E2C0G2A470J080AA	47	0.420	0.3899	10.0
CGA3E2C0G2A560J080AA	56	0.420	0.1700	10.0
CGA3E2C0G2A680J080AA	68	0.420	0.1176	10.0
CGA3E2C0G2A820J080AA	82	0.420	0.1501	10.0
CGA3E3C0G2E101J080AA	100	0.420	0.0919	10.0
CGA3E2C0G2A101J080AA	100	0.420	0.0919	10.0
CGA3E3C0G2E121J080AA	120	0.420	0.1401	10.0
CGA3E2C0G2A121J080AA	120	0.420	0.1401	10.0
CGA3E3C0G2E151J080AA	150	0.420	0.0779	10.0
CGA3E2C0G2A151J080AA	150	0.420	0.0779	10.0
CGA3E3C0G2E181J080AA	180	0.420	0.1045	10.0
CGA3E2C0G2A181J080AA	180	0.420	0.1067	10.0
CGA3E3C0G2E221J080AA	220	0.420	0.0552	10.0
CGA3E2C0G2A221J080AA	220	0.420	0.0552	10.0
CGA3E3C0G2E271J080AA	270	0.420	0.0899	10.0

## Multilayer Ceramic Chip Capacitors

June 29, 2015  
Simple Model

Automotive Grade ( Mid Voltage (100 to 630V) ) / CGA3 series (2/3)

### Circuit Diagram



### Circuit Parameters

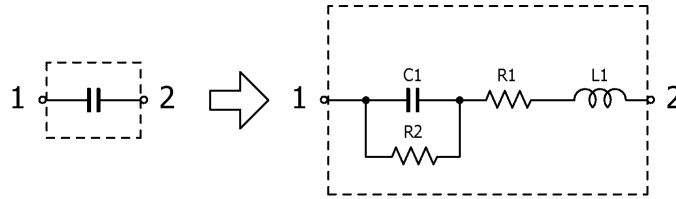
Part No.	C1[ $\mu$ F]	L1[nH]	R1[ohm]	R2[Gohm]
CGA3E2C0G2A271J080AA	270	0.420	0.0899	10.0
CGA3E3C0G2E331J080AA	330	0.420	0.0659	10.0
CGA3E2C0G2A331J080AA	330	0.420	0.0659	10.0
CGA3E3C0G2E391J080AA	390	0.420	0.0767	10.0
CGA3E2C0G2A391J080AA	390	0.420	0.1118	10.0
CGA3E3C0G2E471J080AA	470	0.420	0.0607	10.0
CGA3E2C0G2A471J080AA	470	0.420	0.0607	10.0
CGA3E3C0G2E561J080AA	560	0.420	0.0535	10.0
CGA3E2C0G2A561J080AA	560	0.420	0.0535	10.0
CGA3E3C0G2E681J080AA	680	0.420	0.0463	10.0
CGA3E2C0G2A681J080AA	680	0.420	0.0463	10.0
CGA3E3C0G2E821J080AA	820	0.420	0.0380	10.0
CGA3E2C0G2A821J080AA	820	0.420	0.0543	10.0
CGA3E3C0G2E102J080AA	1,000	0.420	0.0396	10.0
CGA3E2C0G2A102J080AA	1,000	0.420	0.0369	10.0
CGA3E3C0G2E122J080AA	1,200	0.420	0.0366	10.0
CGA3E2C0G2A122J080AA	1,200	0.420	0.0290	10.0
CGA3E3C0G2E152J080AA	1,500	0.420	0.0284	10.0
CGA3E2C0G2A152J080AA	1,500	0.420	0.0284	10.0
CGA3E3C0G2E182J080AA	1,800	0.420	0.0288	10.0
CGA3E2C0G2A182J080AA	1,800	0.420	0.0288	10.0
CGA3E3C0G2E222J080AA	2,200	0.420	0.0224	10.0
CGA3E2C0G2A222J080AA	2,200	0.420	0.0214	10.0
CGA3E2C0G2A272J080AA	2,700	0.420	0.0220	10.0
CGA3E2C0G2A332J080AA	3,300	0.420	0.0209	10.0
CGA3E2X7R2A102K080AA	1,000	0.420	0.2491	10.0
CGA3E2X7R2A102M080AA	1,000	0.420	0.2491	10.0
CGA3E2X7R2A152K080AA	1,500	0.420	0.2180	10.0
CGA3E2X7R2A152M080AA	1,500	0.420	0.2180	10.0
CGA3E2X7R2A222K080AA	2,200	0.420	0.1453	10.0
CGA3E2X7R2A222M080AA	2,200	0.420	0.1453	10.0
CGA3E2X7R2A332K080AA	3,300	0.420	0.1184	10.0
CGA3E2X7R2A332M080AA	3,300	0.420	0.1184	10.0
CGA3E2X7R2A472K080AA	4,700	0.420	0.1094	10.0
CGA3E2X7R2A472M080AA	4,700	0.420	0.1094	10.0
CGA3E2X7R2A682K080AA	6,800	0.420	0.0994	10.0
CGA3E2X7R2A682M080AA	6,800	0.420	0.0994	10.0

## Multilayer Ceramic Chip Capacitors

June 29, 2015  
Simple Model

Automotive Grade ( Mid Voltage (100 to 630V) ) / CGA3 series (3/3)

### Circuit Diagram



### Circuit Parameters

Part No.	C1[ $\mu$ F]	L1[nH]	R1[ohm]	R2[Gohm]
CGA3E2X7R2A103K080AA	10,000	0.420	0.0653	10.0
CGA3E2X7R2A103M080AA	10,000	0.420	0.0653	10.0
CGA3E2X7R2A153K080AA	15,000	0.420	0.0487	10.0
CGA3E2X7R2A153M080AA	15,000	0.420	0.0487	10.0
CGA3E2X7R2A223K080AA	22,000	0.420	0.0363	10.0
CGA3E2X7R2A223M080AA	22,000	0.420	0.0363	10.0
CGA3E3X7S2A333K080AB	33,000	0.420	0.0583	10.0
CGA3E3X7S2A333M080AB	33,000	0.420	0.0583	10.0
CGA3E3X7S2A473K080AB	47,000	0.420	0.0364	10.0
CGA3E3X7S2A473M080AB	47,000	0.420	0.0364	10.0
CGA3E3X7S2A683K080AB	68,000	0.420	0.0301	7.35
CGA3E3X7S2A683M080AB	68,000	0.420	0.0301	7.35
CGA3E3X7S2A104K080AB	100,000	0.420	0.0243	5.00
CGA3E3X7S2A104M080AB	100,000	0.420	0.0243	5.00