

## Multilayer Ceramic Chip Capacitors

May 23, 2024  
Simple Model

Automotive Grade, Soft Termination / CGA6 series (1/2)

### Circuit Diagram



### Circuit Parameters

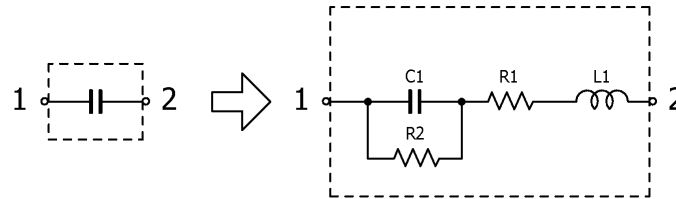
Part No.	C1[pF]	L1[nH]	R1[ohm]	R2[Gohm]
CGA6M1C0G3A102J200AE	1,000	0.600	0.0279	10.0
CGA6M1C0G3A122J200AE	1,200	0.600	0.0218	10.0
CGA6M1C0G3A152J200AE	1,500	0.600	0.0241	10.0
CGA6M1C0G3A182J200AE	1,800	0.600	0.0198	10.0
CGA6M1C0G3A222J200AE	2,200	0.600	0.0255	10.0
CGA6M1C0G3A272J200AE	2,700	0.600	0.0171	10.0
CGA6M1C0G3A332J200AE	3,300	0.600	0.0250	10.0
CGA6M1C0G3A392J200AE	3,900	0.600	0.0141	10.0
CGA6M1C0G3A472J200AE	4,700	0.600	0.0210	10.0
CGA6M1C0G3A562J200AE	5,600	0.600	0.0082	10.0
CGA6M1C0G3A682J200AE	6,800	0.600	0.0193	10.0
CGA6N1C0G3A822J230AE	8,200	0.600	0.0086	10.0
CGA6L4C0G2J153J160AE	15,000	0.600	0.0145	10.0
CGA6L3C0G2E223J160AE	22,000	0.600	0.0130	10.0
CGA6P4C0G2J333J250AE	33,000	0.600	0.0117	10.0
CGA6P4C0G2W333J250AE	33,000	0.600	0.0200	10.0
CGA6M4X7R2J473K200AE	47,000	0.600	0.0374	10.0
CGA6M4X7R2J473M200AE	47,000	0.600	0.0374	10.0
CGA6M4X7R2J683K200AE	68,000	0.600	0.0222	7.35
CGA6M4X7R2J683M200AE	68,000	0.600	0.0222	7.35
CGA6N2C0G2A683J230AE	68,000	0.600	0.0127	7.35
CGA6L1X7T2J104K160AE	100,000	0.600	0.0165	5.00
CGA6L1X7T2J104M160AE	100,000	0.600	0.0165	5.00
CGA6M3X7R2E104K200AE	100,000	0.600	0.0208	5.00
CGA6M3X7R2E104M200AE	100,000	0.600	0.0208	5.00
CGA6M1X7T2J154K200AE	150,000	0.600	0.0139	3.33
CGA6M1X7T2J154M200AE	150,000	0.600	0.0139	3.33
CGA6M3X7R2E224K200AE	220,000	0.600	0.0151	2.27
CGA6M3X7R2E224M200AE	220,000	0.600	0.0151	2.27
CGA6M4X7T2W224K200AE	220,000	0.600	0.0160	2.27
CGA6M4X7T2W224M200AE	220,000	0.600	0.0160	2.27
CGA6M3X7T2E334K200AE	330,000	0.600	0.0101	1.52
CGA6M3X7T2E334M200AE	330,000	0.600	0.0101	1.52
CGA6M2X7R2A474K200AE	470,000	0.600	0.0107	1.06
CGA6M2X7R2A474M200AE	470,000	0.600	0.0107	1.06
CGA6M3X8R2A474K200AE	470,000	0.600	0.0109	1.06

## Multilayer Ceramic Chip Capacitors

May 23, 2024  
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Automotive Grade, Soft Termination / CGA6 series (2/2)

### Circuit Diagram



### Circuit Parameters

Part No.	C1[pF]	L1[nH]	R1[ohm]	R2[Gohm]
CGA6M3X8R2A474M200AE	470,000	0.600	0.0109	1.06
CGA6P3X8R2A684K250AE	680,000	0.600	0.0081	0.735
CGA6P3X8R2A684M250AE	680,000	0.600	0.0081	0.735
CGA6L2X7R1H105K160AE	1,000,000	0.600	0.0097	0.500
CGA6L2X7R1H105M160AE	1,000,000	0.600	0.0097	0.500
CGA6M2X7R2A105K200AE	1,000,000	0.600	0.0077	0.500
CGA6M2X7R2A105M200AE	1,000,000	0.600	0.0077	0.500
CGA6M3X7R1H225K200AE	2,200,000	0.600	0.0080	0.227
CGA6M3X7R1H225M200AE	2,200,000	0.600	0.0080	0.227
CGA6N3X7R2A225K230AE	2,200,000	0.600	0.0047	0.227
CGA6N3X7R2A225M230AE	2,200,000	0.600	0.0047	0.227
CGA6M3X7S2A335K200AE	3,300,000	0.600	0.0073	0.151
CGA6M3X7S2A335M200AE	3,300,000	0.600	0.0073	0.151
CGA6P2X8R1E335K250AE	3,300,000	0.600	0.0060	0.151
CGA6P2X8R1E335M250AE	3,300,000	0.600	0.0060	0.151
CGA6M3X7S2A475K200AE	4,700,000	0.600	0.0086	0.106
CGA6M3X7S2A475M200AE	4,700,000	0.600	0.0086	0.106
CGA6N3X7S1H475K230AE	4,700,000	0.600	0.0068	0.106
CGA6N3X7S1H475M230AE	4,700,000	0.600	0.0068	0.106
CGA6P3X7R1H475K250AE	4,700,000	0.600	0.0042	0.106
CGA6P3X8R1E475K250AE	4,700,000	0.600	0.0054	0.106
CGA6P3X8R1E475M250AE	4,700,000	0.600	0.0054	0.106
CGA6P3X7S1H106K250AE	10,000,000	0.600	0.0041	0.0500
CGA6P3X7S1H106M250AE	10,000,000	0.600	0.0041	0.0500
CGA6P1X8R1E106K250AE	10,000,000	0.600	0.0037	0.0100
CGA6P1X8R1E106M250AE	10,000,000	0.600	0.0037	0.0100
CGA6P3X8R1C106K250AE	10,000,000	0.600	0.0037	0.0100
CGA6P3X8R1C106M250AE	10,000,000	0.600	0.0037	0.0100
CGA6P3X7R1E226M250AE	22,000,000	0.600	0.0034	0.0227