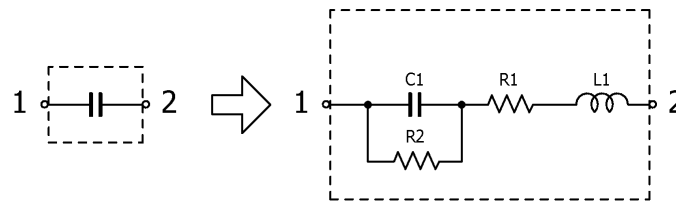


Multilayer Ceramic Chip Capacitors

Aug. 18, 2020
Simple Model

Commercial Grade, Soft Termination / C2012 series (1/2)

Circuit Diagram



Circuit Parameters

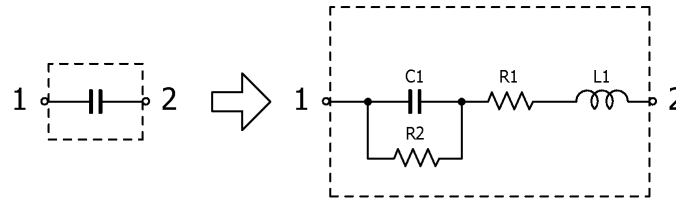
Part No.	C1[pF]	L1[nH]	R1[ohm]	R2[Gohm]
C2012X7R2A102K085AE	1,000	0.480	0.3174	10.0
C2012X7R2A102M085AE	1,000	0.480	0.3174	10.0
C2012X7R2A222K085AE	2,200	0.480	0.1850	10.0
C2012X7R2A222M085AE	2,200	0.480	0.1850	10.0
C2012X7R2A103K085AE	10,000	0.480	0.0798	10.0
C2012X7R2A103M085AE	10,000	0.480	0.0798	10.0
C2012X7T2W103K085AE	10,000	0.480	0.0737	10.0
C2012X7T2W103M085AE	10,000	0.480	0.0737	10.0
C2012X7R2E103K125AE	10,000	0.480	0.0857	10.0
C2012X7R2E103M125AE	10,000	0.480	0.0857	10.0
C2012X7R2E223K125AE	22,000	0.480	0.0653	10.0
C2012X7R2E223M125AE	22,000	0.480	0.0653	10.0
C2012X7R2A223K125AE	22,000	0.480	0.0478	10.0
C2012X7R2A223M125AE	22,000	0.480	0.0478	10.0
C2012X7T2W223K125AE	22,000	0.480	0.0588	10.0
C2012X7T2W223M125AE	22,000	0.480	0.0588	10.0
C2012X7R2A473K125AE	47,000	0.480	0.0305	10.0
C2012X7R2A473M125AE	47,000	0.480	0.0305	10.0
C2012X7T2W473K125AE	47,000	0.480	0.0280	10.0
C2012X7T2W473M125AE	47,000	0.480	0.0280	10.0
C2012X7T2E473K125AE	47,000	0.480	0.0280	10.0
C2012X7T2E473M125AE	47,000	0.480	0.0280	10.0
C2012X7R2A104K125AE	100,000	0.480	0.0150	5.00
C2012X7R2A104M125AE	100,000	0.480	0.0150	5.00
C2012X7R1H104K125AE	100,000	0.480	0.0199	5.00
C2012X7R1H104M125AE	100,000	0.480	0.0199	5.00
C2012X7T2E104K125AE	100,000	0.480	0.0198	5.00
C2012X7T2E104M125AE	100,000	0.480	0.0198	5.00
C2012X8R1H104K125AE	100,000	0.480	0.0227	5.00
C2012X8R1H104M125AE	100,000	0.480	0.0227	5.00
C2012X7S2A224K085AE	220,000	0.480	0.0416	2.27
C2012X7S2A224M085AE	220,000	0.480	0.0416	2.27
C2012X7R1H224K125AE	220,000	0.480	0.0155	2.27
C2012X7R1H224M125AE	220,000	0.480	0.0155	2.27
C2012X8R1H224K125AE	220,000	0.480	0.0165	2.27
C2012X8R1H224M125AE	220,000	0.480	0.0165	2.27

Multilayer Ceramic Chip Capacitors

Aug. 18, 2020
Simple Model

Commercial Grade, Soft Termination / C2012 series (2/2)

Circuit Diagram



Circuit Parameters

Part No.	C1[pF]	L1[nH]	R1[ohm]	R2[Gohm]
C2012X7R1H474K125AE	470,000	0.480	0.0091	1.06
C2012X7R1H474M125AE	470,000	0.480	0.0091	1.06
C2012X7S2A474K125AE	470,000	0.480	0.0104	1.06
C2012X7S2A474M125AE	470,000	0.480	0.0104	1.06
C2012X7R1H105K125AE	1,000,000	0.480	0.0062	0.500
C2012X7R1H105M125AE	1,000,000	0.480	0.0062	0.500
C2012X7R1V105K125AE	1,000,000	0.480	0.0062	0.500
C2012X7S2A105K125AE	1,000,000	0.480	0.0078	0.500
C2012X7S2A105M125AE	1,000,000	0.480	0.0078	0.500
C2012X7R1H225K125AE	2,200,000	0.480	0.0055	0.227
C2012X7R1H225M125AE	2,200,000	0.480	0.0055	0.227
C2012X7R1V225K125AE	2,200,000	0.480	0.0127	0.227
C2012X7R1V225M125AE	2,200,000	0.480	0.0127	0.227
C2012X7R1E225K125AE	2,200,000	0.480	0.0072	0.227
C2012X7R1E225M125AE	2,200,000	0.480	0.0072	0.227
C2012X7R1V475K125AE	4,700,000	0.480	0.0048	0.106
C2012X7R1V475M125AE	4,700,000	0.480	0.0048	0.106
C2012X7R1E475K125AE	4,700,000	0.480	0.0024	0.106
C2012X7R1E475M125AE	4,700,000	0.480	0.0024	0.106
C2012X7R1C475K125AE	4,700,000	0.480	0.0069	0.0210
C2012X7R1C475M125AE	4,700,000	0.480	0.0069	0.0210
C2012X7R1A106K125AE	10,000,000	0.480	0.0041	0.0100
C2012X7R1A106M125AE	10,000,000	0.480	0.0041	0.0100