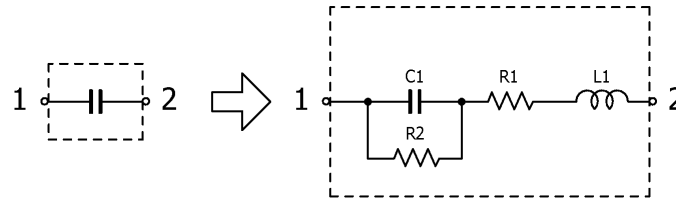


## Multilayer Ceramic Chip Capacitors

May 23, 2024  
Simple Model

Commercial Grade, Soft Termination / C1005 series (1/2)

### Circuit Diagram



### Circuit Parameters

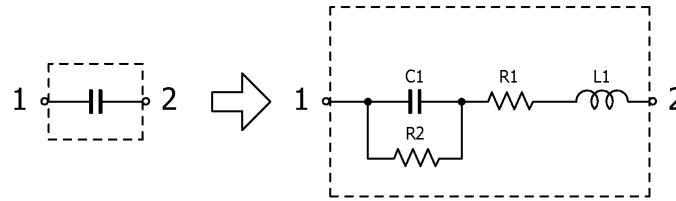
Part No.	C1[pF]	L1[nH]	R1[ohm]	R2[Gohm]
C1005C0G2A101J050BE	100	0.370	0.1516	10.0
C1005C0G1H101J050BE	100	0.370	0.1516	10.0
C1005C0G2A151J050BE	150	0.370	0.1257	10.0
C1005C0G1H151J050BE	150	0.370	0.1004	10.0
C1005C0G2A221J050BE	220	0.370	0.0990	10.0
C1005C0G1H221J050BE	220	0.370	0.0990	10.0
C1005X8R2A221K050BE	220	0.370	0.5980	10.0
C1005X8R2A221M050BE	220	0.370	0.5750	10.0
C1005X8R1H221K050BE	220	0.370	0.6118	10.0
C1005X8R1H221M050BE	220	0.370	0.5888	10.0
C1005C0G2A331J050BE	330	0.370	0.0937	10.0
C1005C0G1H331J050BE	330	0.370	0.0699	10.0
C1005C0G2A471J050BE	470	0.370	0.0776	10.0
C1005C0G1H471J050BE	470	0.370	0.0776	10.0
C1005X8R2A471K050BE	470	0.370	0.3483	10.0
C1005X8R2A471M050BE	470	0.370	0.3253	10.0
C1005X8R1H471K050BE	470	0.370	0.3251	10.0
C1005X8R1H471M050BE	470	0.370	0.3021	10.0
C1005C0G2A681J050BE	680	0.370	0.0937	10.0
C1005C0G1H681J050BE	680	0.370	0.0637	10.0
C1005C0G2A102J050BE	1,000	0.370	0.0527	10.0
C1005C0G1H102J050BE	1,000	0.370	0.0527	10.0
C1005X7R1H102K050BE	1,000	0.370	0.2599	10.0
C1005X7R1H102M050BE	1,000	0.370	0.2369	10.0
C1005X8R2A102K050BE	1,000	0.370	0.2226	10.0
C1005X8R2A102M050BE	1,000	0.370	0.2024	10.0
C1005X8R1H102K050BE	1,000	0.370	0.2452	10.0
C1005X8R1H102M050BE	1,000	0.370	0.2222	10.0
C1005X7R1H222K050BE	2,200	0.370	0.1666	10.0
C1005X7R1H222M050BE	2,200	0.370	0.1436	10.0
C1005X8R2A222K050BE	2,200	0.370	0.1449	10.0
C1005X8R2A222M050BE	2,200	0.370	0.1219	10.0
C1005X8R1H222K050BE	2,200	0.370	0.1930	10.0
C1005X8R1H222M050BE	2,200	0.370	0.1700	10.0
C1005X8R2A332K050BE	3,300	0.370	0.1340	10.0
C1005X8R2A332M050BE	3,300	0.370	0.1110	10.0

## Multilayer Ceramic Chip Capacitors

May 23, 2024  
Simple Model

Commercial Grade, Soft Termination / C1005 series (2/2)

### Circuit Diagram



### Circuit Parameters

Part No.	C1[pF]	L1[nH]	R1[ohm]	R2[Gohm]
C1005X7R1H472K050BE	4,700	0.370	0.1074	10.0
C1005X7R1H472M050BE	4,700	0.370	0.0844	10.0
C1005X8R1H472K050BE	4,700	0.370	0.1119	10.0
C1005X8R1H472M050BE	4,700	0.370	0.0889	10.0
C1005X7R1H103K050BE	10,000	0.370	0.1056	10.0
C1005X7R1H103M050BE	10,000	0.370	0.1059	10.0
C1005X8R1H103K050BE	10,000	0.370	0.1385	10.0
C1005X8R1H103M050BE	10,000	0.370	0.1162	10.0
C1005X8R1E103K050BE	10,000	0.370	0.0812	10.0
C1005X8R1E103M050BE	10,000	0.370	0.0582	10.0
C1005X7R1H223K050BE	22,000	0.370	0.0686	10.0
C1005X7R1H223M050BE	22,000	0.370	0.0456	10.0
C1005X8R1E223K050BE	22,000	0.370	0.0610	10.0
C1005X8R1E223M050BE	22,000	0.370	0.0380	10.0
C1005X7R1H473K050BE	47,000	0.370	0.0513	10.0
C1005X7R1H473M050BE	47,000	0.370	0.0768	10.0
C1005X8R1E473K050BE	47,000	0.370	0.0507	10.0
C1005X8R1E473M050BE	47,000	0.370	0.0281	10.0
C1005X8R1C473K050BE	47,000	0.370	0.0507	2.13
C1005X8R1C473M050BE	47,000	0.370	0.0281	2.13
C1005X7R1H104K050BE	100,000	0.370	0.0448	5.00
C1005X7R1H104M050BE	100,000	0.370	0.0758	5.00
C1005X7R1V224K050BE	220,000	0.370	0.0367	2.27
C1005X7R1V224M050BE	220,000	0.370	0.0137	2.27
C1005X7R1E224K050BE	220,000	0.370	0.0367	2.27
C1005X7R1E224M050BE	220,000	0.370	0.0137	2.27
C1005X7R1C224K050BE	220,000	0.370	0.0375	0.454
C1005X7R1C224M050BE	220,000	0.370	0.0137	0.454
C1005X5R1V474K050BE	470,000	0.370	0.0385	1.06
C1005X5R1E474K050BE	470,000	0.370	0.0385	1.06
C1005X5R1V105K050BE	1,000,000	0.370	0.0334	0.500
C1005X5R1E105K050BE	1,000,000	0.370	0.0334	0.500
C1005X5R1V225K050BE	2,200,000	0.370	0.0304	0.227
C1005X5R1E225K050BE	2,200,000	0.370	0.0304	0.227
C1005X5R1A475K050BE	4,700,000	0.370	0.0284	0.0210
C1005X5R0J475K050BE	4,700,000	0.370	0.0284	0.0210