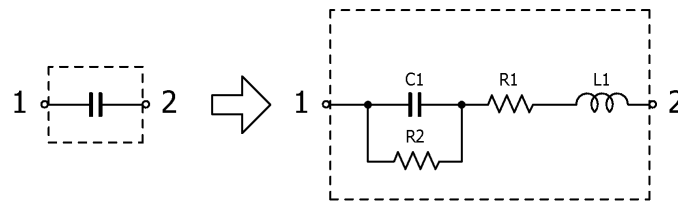


Multilayer Ceramic Chip Capacitors

May 23, 2024
Simple Model

Commercial Grade, High Temperature Application / C1005 series (1/3)

Circuit Diagram



Circuit Parameters

Part No.	C1[pF]	L1[nH]	R1[ohm]	R2[Gohm]
C1005NP01H010C050BA	1	0.370	0.8671	10.0
C1005NP01H020C050BA	2	0.370	0.5777	10.0
C1005NP01H030C050BA	3	0.370	0.5716	10.0
C1005NP01H040C050BA	4	0.370	0.4194	10.0
C1005NP01H050C050BA	5	0.370	0.3088	10.0
C1005NP01H060D050BA	6	0.370	0.3479	10.0
C1005NP01H070D050BA	7	0.370	0.2969	10.0
C1005NP01H080D050BA	8	0.370	0.2941	10.0
C1005NP01H090D050BA	9	0.370	0.2694	10.0
C1005NP01H100D050BA	10	0.370	0.2845	10.0
C1005NP01H150J050BA	15	0.370	0.2050	10.0
C1005NP01H220J050BA	22	0.370	0.1883	10.0
C1005NP01H330J050BA	33	0.370	0.1737	10.0
C1005NP01H470J050BA	47	0.370	0.1126	10.0
C1005NP01H680J050BA	68	0.370	0.1017	10.0
C1005NP02A101J050BA	100	0.370	0.1349	10.0
C1005NP01H101J050BA	100	0.370	0.1104	10.0
C1005NP02A151J050BA	150	0.370	0.1167	10.0
C1005NP01H151J050BA	150	0.370	0.0978	10.0
C1005X8R2A151K050BA	150	0.370	0.8265	10.0
C1005X8R2A151M050BA	150	0.370	0.8265	10.0
C1005X8R1H151K050BA	150	0.370	0.7665	10.0
C1005X8R1H151M050BA	150	0.370	0.7665	10.0
C1005NP02A221J050BA	220	0.370	0.0917	10.0
C1005NP01H221J050BA	220	0.370	0.0687	10.0
C1005X8R2A221K050BA	220	0.370	0.5733	10.0
C1005X8R2A221M050BA	220	0.370	0.5733	10.0
C1005X8R1H221K050BA	220	0.370	0.5868	10.0
C1005X8R1H221M050BA	220	0.370	0.5868	10.0
C1005NP02A331J050BA	330	0.370	0.0794	10.0
C1005NP01H331J050BA	330	0.370	0.0667	10.0
C1005X8R2A331K050BA	330	0.370	0.4096	10.0
C1005X8R2A331M050BA	330	0.370	0.4096	10.0
C1005X8R1H331K050BA	330	0.370	0.3975	10.0
C1005X8R1H331M050BA	330	0.370	0.3975	10.0
C1005NP02A471J050BA	470	0.370	0.0621	10.0

Multilayer Ceramic Chip Capacitors

May 23, 2024
Simple Model

Commercial Grade, High Temperature Application / C1005 series (2/3)

Circuit Diagram



Circuit Parameters

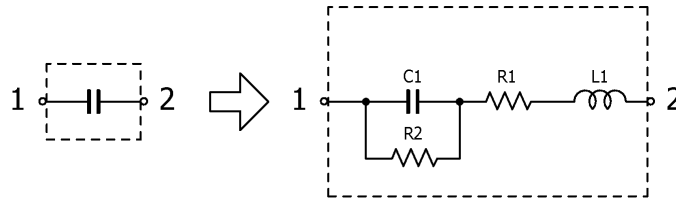
Part No.	C1[pF]	L1[nH]	R1[ohm]	R2[Gohm]
C1005NP01H471J050BA	470	0.370	0.0506	10.0
C1005X8R2A471K050BA	470	0.370	0.3240	10.0
C1005X8R2A471M050BA	470	0.370	0.3240	10.0
C1005X8R1H471K050BA	470	0.370	0.3001	10.0
C1005X8R1H471M050BA	470	0.370	0.3001	10.0
C1005NP01H681J050BA	680	0.370	0.0561	10.0
C1005X8R2A681K050BA	680	0.370	0.2781	10.0
C1005X8R2A681M050BA	680	0.370	0.2781	10.0
C1005X8R1H681K050BA	680	0.370	0.2867	10.0
C1005X8R1H681M050BA	680	0.370	0.2867	10.0
C1005NP01H102J050BA	1,000	0.370	0.0408	10.0
C1005X8R2A102K050BA	1,000	0.370	0.1999	10.0
C1005X8R2A102M050BA	1,000	0.370	0.1999	10.0
C1005X8R1H102K050BA	1,000	0.370	0.2202	10.0
C1005X8R1H102M050BA	1,000	0.370	0.2202	10.0
C1005X8R2A152K050BA	1,500	0.370	0.1632	10.0
C1005X8R2A152M050BA	1,500	0.370	0.1632	10.0
C1005X8R1H152K050BA	1,500	0.370	0.1596	10.0
C1005X8R1H152M050BA	1,500	0.370	0.1596	10.0
C1005X8R2A222K050BA	2,200	0.370	0.1198	10.0
C1005X8R2A222M050BA	2,200	0.370	0.1198	10.0
C1005X8R1H222K050BA	2,200	0.370	0.1680	10.0
C1005X8R1H222M050BA	2,200	0.370	0.1680	10.0
C1005X8R2A332K050BB	3,300	0.370	0.1090	10.0
C1005X8R2A332M050BB	3,300	0.370	0.1090	10.0
C1005X8R1H332K050BA	3,300	0.370	0.1053	10.0
C1005X8R1H332M050BA	3,300	0.370	0.1053	10.0
C1005X8R1H472K050BA	4,700	0.370	0.0869	10.0
C1005X8R1H472M050BA	4,700	0.370	0.0869	10.0
C1005X8R1H682K050BB	6,800	0.370	0.0675	10.0
C1005X8R1H682M050BB	6,800	0.370	0.0675	10.0
C1005X8R1E682K050BA	6,800	0.370	0.0715	10.0
C1005X8R1E682M050BA	6,800	0.370	0.0715	10.0
C1005X8R1H103K050BB	10,000	0.370	0.1142	10.0
C1005X8R1H103M050BB	10,000	0.370	0.1142	10.0
C1005X8R1E103K050BA	10,000	0.370	0.0562	10.0

Multilayer Ceramic Chip Capacitors

May 23, 2024
Simple Model

Commercial Grade, High Temperature Application / C1005 series (3/3)

Circuit Diagram



Circuit Parameters

Part No.	C1[pF]	L1[nH]	R1[ohm]	R2[Gohm]
C1005X8R1E103M050BA	10,000	0.370	0.0562	10.0
C1005X8R1E153K050BB	15,000	0.370	0.0486	10.0
C1005X8R1E153M050BB	15,000	0.370	0.0486	10.0
C1005X8R1E223K050BB	22,000	0.370	0.0360	10.0
C1005X8R1E223M050BB	22,000	0.370	0.0360	10.0
C1005X8R1C333K050BB	33,000	0.370	0.0271	3.03
C1005X8R1C333M050BB	33,000	0.370	0.0271	3.03
C1005X8R1E473K050BC	47,000	0.370	0.0261	10.0
C1005X8R1E473M050BC	47,000	0.370	0.0261	10.0
C1005X8R1C473K050BB	47,000	0.370	0.0261	2.13
C1005X8R1C473M050BB	47,000	0.370	0.0261	2.13