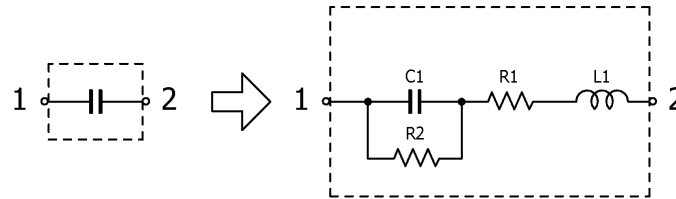


Multilayer Ceramic Chip Capacitors

Feb. 27, 2026
Simple Model

Commercial Grade General (Up to 75V) / C1005 series (1/11)

Circuit Diagram



Circuit Parameters

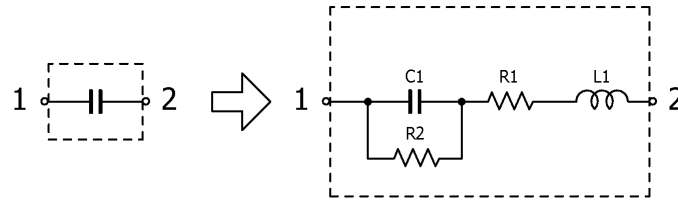
Part No.	C1[pF]	L1[nH]	R1[ohm]	R2[Gohm]
C1005C0G1E102J050BA	1,000	0.370	0.0408	10.0
C1005C0G1H010B050BA	1	0.370	0.8671	10.0
C1005C0G1H010C050BA	1	0.370	0.8671	10.0
C1005C0G1H020B050BA	2	0.370	0.5777	10.0
C1005C0G1H020C050BA	2	0.370	0.5777	10.0
C1005C0G1H030B050BA	3	0.370	0.5716	10.0
C1005C0G1H030C050BA	3	0.370	0.5716	10.0
C1005C0G1H040B050BA	4	0.370	0.4194	10.0
C1005C0G1H040C050BA	4	0.370	0.4194	10.0
C1005C0G1H050B050BA	5	0.370	0.3088	10.0
C1005C0G1H050C050BA	5	0.370	0.3088	10.0
C1005C0G1H060C050BA	6	0.370	0.3479	10.0
C1005C0G1H060D050BA	6	0.370	0.3479	10.0
C1005C0G1H070C050BA	7	0.370	0.2969	10.0
C1005C0G1H070D050BA	7	0.370	0.2969	10.0
C1005C0G1H080C050BA	8	0.370	0.2941	10.0
C1005C0G1H080D050BA	8	0.370	0.2941	10.0
C1005C0G1H090C050BA	9	0.370	0.2694	10.0
C1005C0G1H090D050BA	9	0.370	0.2694	10.0
C1005C0G1H100C050BA	10	0.370	0.2845	10.0
C1005C0G1H100D050BA	10	0.370	0.2845	10.0
C1005C0G1H150F050BA	15	0.370	0.2050	10.0
C1005C0G1H150G050BA	15	0.370	0.2050	10.0
C1005C0G1H150J050BA	15	0.370	0.2050	10.0
C1005C0G1H220F050BA	22	0.370	0.1883	10.0
C1005C0G1H220G050BA	22	0.370	0.1883	10.0
C1005C0G1H220J050BA	22	0.370	0.1883	10.0
C1005C0G1H330F050BA	33	0.370	0.1737	10.0
C1005C0G1H330G050BA	33	0.370	0.1737	10.0
C1005C0G1H330J050BA	33	0.370	0.1737	10.0
C1005C0G1H470F050BA	47	0.370	0.1126	10.0
C1005C0G1H470G050BA	47	0.370	0.1126	10.0
C1005C0G1H470J050BA	47	0.370	0.1126	10.0
C1005C0G1H680F050BA	68	0.370	0.1017	10.0
C1005C0G1H680G050BA	68	0.370	0.1017	10.0
C1005C0G1H680J050BA	68	0.370	0.1017	10.0

Multilayer Ceramic Chip Capacitors

Feb. 27, 2026
Simple Model

Commercial Grade General (Up to 75V) / C1005 series (2/11)

Circuit Diagram



Circuit Parameters

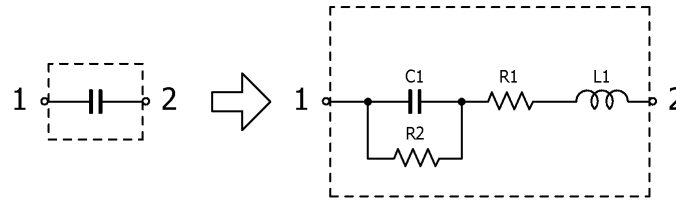
Part No.	C1[pF]	L1[nH]	R1[ohm]	R2[Gohm]
C1005C0G1H101F050BA	100	0.370	0.1104	10.0
C1005C0G1H101G050BA	100	0.370	0.1104	10.0
C1005C0G1H101J050BA	100	0.370	0.1104	10.0
C1005C0G1H101K050BA	100	0.370	0.1104	10.0
C1005C0G1H151F050BA	150	0.370	0.0978	10.0
C1005C0G1H151G050BA	150	0.370	0.0978	10.0
C1005C0G1H151J050BA	150	0.370	0.0978	10.0
C1005C0G1H151K050BA	150	0.370	0.0978	10.0
C1005C0G1H221F050BA	220	0.370	0.0687	10.0
C1005C0G1H221G050BA	220	0.370	0.0687	10.0
C1005C0G1H221J050BA	220	0.370	0.0687	10.0
C1005C0G1H221K050BA	220	0.370	0.0687	10.0
C1005C0G1H331F050BA	330	0.370	0.0667	10.0
C1005C0G1H331G050BA	330	0.370	0.0667	10.0
C1005C0G1H331J050BA	330	0.370	0.0667	10.0
C1005C0G1H331K050BA	330	0.370	0.0667	10.0
C1005C0G1H471F050BA	470	0.370	0.0506	10.0
C1005C0G1H471G050BA	470	0.370	0.0506	10.0
C1005C0G1H471J050BA	470	0.370	0.0506	10.0
C1005C0G1H471K050BA	470	0.370	0.0506	10.0
C1005C0G1H681F050BA	680	0.370	0.0561	10.0
C1005C0G1H681G050BA	680	0.370	0.0561	10.0
C1005C0G1H681J050BA	680	0.370	0.0561	10.0
C1005C0G1H681K050BA	680	0.370	0.0561	10.0
C1005C0G1H102F050BA	1,000	0.370	0.0408	10.0
C1005C0G1H102G050BA	1,000	0.370	0.0408	10.0
C1005C0G1H102J050BA	1,000	0.370	0.0408	10.0
C1005C0G1H102K050BA	1,000	0.370	0.0408	10.0
C1005X5R0G225K050BB	2,200,000	0.370	0.0055	0.0450
C1005X5R0G225M050BB	2,200,000	0.370	0.0055	0.0450
C1005X5R0G335K050BB	3,300,000	0.370	0.0044	0.0300
C1005X5R0G335M050BB	3,300,000	0.370	0.0044	0.0300
C1005X5R0G475K050BB	4,700,000	0.370	0.0038	0.0210
C1005X5R0G475M050BB	4,700,000	0.370	0.0038	0.0210
C1005X5R0J104K050BA	100,000	0.370	0.0204	1.00
C1005X5R0J684K050BB	680,000	0.370	0.0091	0.147

Multilayer Ceramic Chip Capacitors

Feb. 27, 2026
Simple Model

Commercial Grade General (Up to 75V) / C1005 series (3/11)

Circuit Diagram



Circuit Parameters

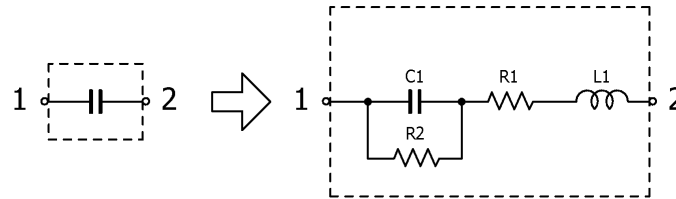
Part No.	C1[pF]	L1[nH]	R1[ohm]	R2[Gohm]
C1005X5R0J684M050BB	680,000	0.370	0.0091	0.147
C1005X5R0J155K050BB	1,500,000	0.370	0.0071	0.0660
C1005X5R0J155M050BB	1,500,000	0.370	0.0071	0.0660
C1005X5R0J225K050BC	2,200,000	0.370	0.0055	0.0450
C1005X5R0J225M050BC	2,200,000	0.370	0.0055	0.0450
C1005X5R0J335K050BC	3,300,000	0.370	0.0044	0.0300
C1005X5R0J335M050BC	3,300,000	0.370	0.0044	0.0300
C1005X5R0J475K050BC	4,700,000	0.370	0.0038	0.0210
C1005X5R0J475M050BC	4,700,000	0.370	0.0038	0.0210
C1005X5R1A473K050BA	47,000	0.370	0.0355	2.13
C1005X5R1A473M050BA	47,000	0.370	0.0355	2.13
C1005X5R1A683K050BA	68,000	0.370	0.0312	1.47
C1005X5R1A683M050BA	68,000	0.370	0.0312	1.47
C1005X5R1A104K050BA	100,000	0.370	0.0204	1.00
C1005X5R1A104M050BA	100,000	0.370	0.0204	1.00
C1005X5R1A684K050BB	680,000	0.370	0.0091	0.147
C1005X5R1A684M050BB	680,000	0.370	0.0091	0.147
C1005X5R1A155K050BC	1,500,000	0.370	0.0071	0.0660
C1005X5R1A155M050BC	1,500,000	0.370	0.0071	0.0660
C1005X5R1A225K050BC	2,200,000	0.370	0.0055	0.0450
C1005X5R1A225M050BC	2,200,000	0.370	0.0055	0.0450
C1005X5R1A335K050BC	3,300,000	0.370	0.0044	0.0300
C1005X5R1A335M050BC	3,300,000	0.370	0.0044	0.0300
C1005X5R1A475K050BC	4,700,000	0.370	0.0038	0.0210
C1005X5R1A475M050BC	4,700,000	0.370	0.0038	0.0210
C1005X5R1C153K050BA	15,000	0.370	0.0640	6.67
C1005X5R1C153M050BA	15,000	0.370	0.0640	6.67
C1005X5R1C223K050BA	22,000	0.370	0.0421	4.55
C1005X5R1C223M050BA	22,000	0.370	0.0421	4.55
C1005X5R1C333K050BA	33,000	0.370	0.0361	3.03
C1005X5R1C333M050BA	33,000	0.370	0.0361	3.03
C1005X5R1C473K050BA	47,000	0.370	0.0288	2.13
C1005X5R1C473M050BA	47,000	0.370	0.0288	2.13
C1005X5R1C683K050BA	68,000	0.370	0.0274	1.47
C1005X5R1C683M050BA	68,000	0.370	0.0274	1.47
C1005X5R1C104K050BA	100,000	0.370	0.0186	1.00

Multilayer Ceramic Chip Capacitors

Feb. 27, 2026
Simple Model

Commercial Grade General (Up to 75V) / C1005 series (4/11)

Circuit Diagram



Circuit Parameters

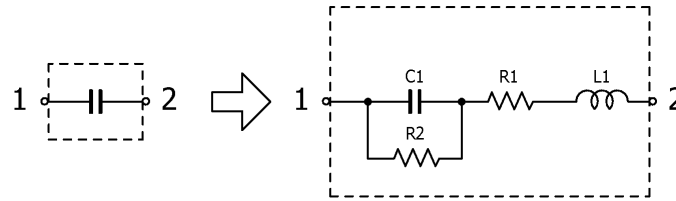
Part No.	C1[pF]	L1[nH]	R1[ohm]	R2[Gohm]
C1005X5R1C104M050BA	100,000	0.370	0.0186	1.00
C1005X5R1C154K050BB	150,000	0.370	0.0158	0.666
C1005X5R1C154M050BB	150,000	0.370	0.0158	0.666
C1005X5R1C224K050BB	220,000	0.370	0.0125	0.454
C1005X5R1C224M050BB	220,000	0.370	0.0125	0.454
C1005X5R1C684K050BC	680,000	0.370	0.0091	0.147
C1005X5R1C684M050BC	680,000	0.370	0.0091	0.147
C1005X5R1C155K050BC	1,500,000	0.370	0.0063	0.0660
C1005X5R1C155M050BC	1,500,000	0.370	0.0063	0.0660
C1005X5R1C225K050BC	2,200,000	0.370	0.0055	0.0450
C1005X5R1C225M050BC	2,200,000	0.370	0.0055	0.0450
C1005X5R1E103K050BA	10,000	0.370	0.0722	10.0
C1005X5R1E103M050BA	10,000	0.370	0.0722	10.0
C1005X5R1E153K050BA	15,000	0.370	0.0640	10.0
C1005X5R1E153M050BA	15,000	0.370	0.0640	10.0
C1005X5R1E223K050BA	22,000	0.370	0.0421	10.0
C1005X5R1E223M050BA	22,000	0.370	0.0421	10.0
C1005X5R1E333K050BA	33,000	0.370	0.0361	10.0
C1005X5R1E333M050BA	33,000	0.370	0.0361	10.0
C1005X5R1E473K050BA	47,000	0.370	0.0288	10.0
C1005X5R1E473M050BA	47,000	0.370	0.0288	10.0
C1005X5R1E683K050BC	68,000	0.370	0.0274	1.47
C1005X5R1E683M050BC	68,000	0.370	0.0274	1.47
C1005X5R1E104K050BC	100,000	0.370	0.0186	1.00
C1005X5R1E104M050BC	100,000	0.370	0.0186	1.00
C1005X5R1E154K050BC	150,000	0.370	0.0158	0.666
C1005X5R1E154M050BC	150,000	0.370	0.0158	0.666
C1005X5R1E224K050BC	220,000	0.370	0.0125	0.454
C1005X5R1E224M050BC	220,000	0.370	0.0125	0.454
C1005X5R1E334K050BB	330,000	0.370	0.0156	0.303
C1005X5R1E334M050BB	330,000	0.370	0.0156	0.303
C1005X5R1E474K050BB	470,000	0.370	0.0137	0.212
C1005X5R1E474M050BB	470,000	0.370	0.0137	0.212
C1005X5R1E684K050BC	680,000	0.370	0.0095	0.147
C1005X5R1E684M050BC	680,000	0.370	0.0095	0.147
C1005X5R1E105K050BC	1,000,000	0.370	0.0084	0.100

Multilayer Ceramic Chip Capacitors

Feb. 27, 2026
Simple Model

Commercial Grade General (Up to 75V) / C1005 series (5/11)

Circuit Diagram



Circuit Parameters

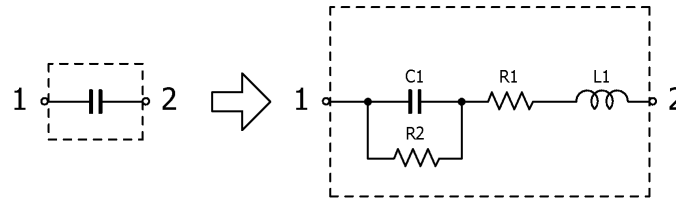
Part No.	C1[pF]	L1[nH]	R1[ohm]	R2[Gohm]
C1005X5R1E105M050BC	1,000,000	0.370	0.0084	0.100
C1005X5R1E155K050BC	1,500,000	0.370	0.0058	0.0660
C1005X5R1E155M050BC	1,500,000	0.370	0.0058	0.0660
C1005X5R1E225K050BC	2,200,000	0.370	0.0055	0.0450
C1005X5R1E225M050BC	2,200,000	0.370	0.0055	0.0450
C1005X5R1V683K050BB	68,000	0.370	0.0257	7.35
C1005X5R1V683M050BB	68,000	0.370	0.0257	7.35
C1005X5R1V104K050BB	100,000	0.370	0.0198	5.00
C1005X5R1V104M050BB	100,000	0.370	0.0198	5.00
C1005X5R1V334K050BC	330,000	0.370	0.0156	1.52
C1005X5R1V334M050BC	330,000	0.370	0.0156	1.52
C1005X5R1V474K050BC	470,000	0.370	0.0137	1.06
C1005X5R1V474M050BC	470,000	0.370	0.0137	1.06
C1005X5R1V684K050BC	680,000	0.370	0.0095	0.735
C1005X5R1V684M050BC	680,000	0.370	0.0095	0.735
C1005X5R1V105K050BC	1,000,000	0.370	0.0084	0.500
C1005X5R1V105M050BC	1,000,000	0.370	0.0084	0.500
C1005X5R1V155K050BC	1,500,000	0.370	0.0059	0.333
C1005X5R1V155M050BC	1,500,000	0.370	0.0059	0.333
C1005X5R1V225K050BC	2,200,000	0.370	0.0055	0.227
C1005X5R1V225M050BC	2,200,000	0.370	0.0055	0.227
C1005X5R1H221K050BA	220	0.370	0.5814	10.0
C1005X5R1H221M050BA	220	0.370	0.5814	10.0
C1005X5R1H331K050BA	330	0.370	0.4623	10.0
C1005X5R1H331M050BA	330	0.370	0.4623	10.0
C1005X5R1H471K050BA	470	0.370	0.4212	10.0
C1005X5R1H471M050BA	470	0.370	0.4212	10.0
C1005X5R1H681K050BA	680	0.370	0.2801	10.0
C1005X5R1H681M050BA	680	0.370	0.2801	10.0
C1005X5R1H102K050BA	1,000	0.370	0.2349	10.0
C1005X5R1H102M050BA	1,000	0.370	0.2349	10.0
C1005X5R1H152K050BA	1,500	0.370	0.1966	10.0
C1005X5R1H152M050BA	1,500	0.370	0.1966	10.0
C1005X5R1H222K050BA	2,200	0.370	0.1416	10.0
C1005X5R1H222M050BA	2,200	0.370	0.1416	10.0
C1005X5R1H332K050BA	3,300	0.370	0.1188	10.0

Multilayer Ceramic Chip Capacitors

Feb. 27, 2026
Simple Model

Commercial Grade General (Up to 75V) / C1005 series (6/11)

Circuit Diagram



Circuit Parameters

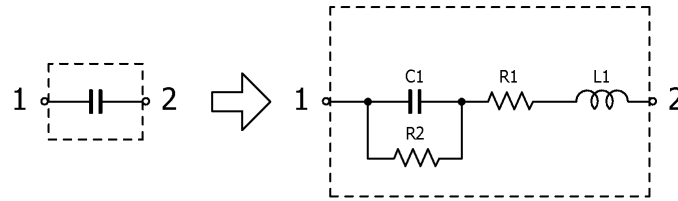
Part No.	C1[pF]	L1[nH]	R1[ohm]	R2[Gohm]
C1005X5R1H332M050BA	3,300	0.370	0.1188	10.0
C1005X5R1H472K050BA	4,700	0.370	0.0824	10.0
C1005X5R1H472M050BA	4,700	0.370	0.0824	10.0
C1005X5R1H682K050BA	6,800	0.370	0.0747	10.0
C1005X5R1H682M050BA	6,800	0.370	0.0747	10.0
C1005X5R1H103K050BB	10,000	0.370	0.0806	10.0
C1005X5R1H103M050BB	10,000	0.370	0.0806	10.0
C1005X5R1H153K050BB	15,000	0.370	0.0583	10.0
C1005X5R1H153M050BB	15,000	0.370	0.0583	10.0
C1005X5R1H223K050BB	22,000	0.370	0.0436	10.0
C1005X5R1H223M050BB	22,000	0.370	0.0436	10.0
C1005X5R1H333K050BB	33,000	0.370	0.0310	10.0
C1005X5R1H333M050BB	33,000	0.370	0.0310	10.0
C1005X5R1H473K050BB	47,000	0.370	0.0263	10.0
C1005X5R1H473M050BB	47,000	0.370	0.0263	10.0
C1005X5R1H683K050BB	68,000	0.370	0.0257	7.35
C1005X5R1H683M050BB	68,000	0.370	0.0257	7.35
C1005X5R1H104K050BB	100,000	0.370	0.0198	5.00
C1005X5R1H104M050BB	100,000	0.370	0.0198	5.00
C1005X6S0G104K050BA	100,000	0.370	0.0204	1.00
C1005X6S0G104M050BA	100,000	0.370	0.0204	1.00
C1005X6S0G334K050BB	330,000	0.370	0.0177	0.303
C1005X6S0G334M050BB	330,000	0.370	0.0177	0.303
C1005X6S0G474K050BB	470,000	0.370	0.0128	0.212
C1005X6S0G474M050BB	470,000	0.370	0.0128	0.212
C1005X6S0G684K050BB	680,000	0.370	0.0091	0.147
C1005X6S0G684M050BB	680,000	0.370	0.0091	0.147
C1005X6S0G155K050BC	1,500,000	0.370	0.0071	0.0660
C1005X6S0G155M050BC	1,500,000	0.370	0.0071	0.0660
C1005X6S0G225K050BC	2,200,000	0.370	0.0055	0.0450
C1005X6S0G225M050BC	2,200,000	0.370	0.0055	0.0450
C1005X6S0G335K050BC	3,300,000	0.370	0.0044	0.0300
C1005X6S0G335M050BC	3,300,000	0.370	0.0044	0.0300
C1005X6S0G475M050BC	4,700,000	0.370	0.0038	0.0210
C1005X6S0J104K050BA	100,000	0.370	0.0204	1.00
C1005X6S0J104M050BA	100,000	0.370	0.0204	1.00

Multilayer Ceramic Chip Capacitors

Feb. 27, 2026
Simple Model

Commercial Grade General (Up to 75V) / C1005 series (7/11)

Circuit Diagram



Circuit Parameters

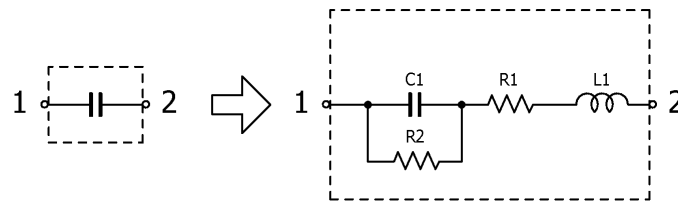
Part No.	C1[pF]	L1[nH]	R1[ohm]	R2[Gohm]
C1005X6S0J334K050BC	330,000	0.370	0.0177	0.303
C1005X6S0J334M050BC	330,000	0.370	0.0177	0.303
C1005X6S0J155K050BC	1,500,000	0.370	0.0063	0.0660
C1005X6S0J155M050BC	1,500,000	0.370	0.0063	0.0660
C1005X6S0J225K050BC	2,200,000	0.370	0.0055	0.0450
C1005X6S0J225M050BC	2,200,000	0.370	0.0055	0.0450
C1005X6S1A334K050BC	330,000	0.370	0.0156	0.303
C1005X6S1A334M050BC	330,000	0.370	0.0156	0.303
C1005X6S1A474K050BC	470,000	0.370	0.0128	0.212
C1005X6S1A474M050BC	470,000	0.370	0.0128	0.212
C1005X6S1A684K050BC	680,000	0.370	0.0091	0.147
C1005X6S1A684M050BC	680,000	0.370	0.0091	0.147
C1005X6S1A105K050BC	1,000,000	0.370	0.0084	0.100
C1005X6S1A105M050BC	1,000,000	0.370	0.0084	0.100
C1005X6S1A155K050BC	1,500,000	0.370	0.0058	0.0660
C1005X6S1A155M050BC	1,500,000	0.370	0.0058	0.0660
C1005X6S1A225K050BC	2,200,000	0.370	0.0055	0.0450
C1005X6S1A225M050BC	2,200,000	0.370	0.0055	0.0450
C1005X6S1C154K050BB	150,000	0.370	0.0158	0.666
C1005X6S1C154M050BB	150,000	0.370	0.0158	0.666
C1005X6S1C224K050BB	220,000	0.370	0.0125	0.454
C1005X6S1C224M050BB	220,000	0.370	0.0125	0.454
C1005X6S1C334K050BC	330,000	0.370	0.0156	0.303
C1005X6S1C334M050BC	330,000	0.370	0.0156	0.303
C1005X6S1C474K050BC	470,000	0.370	0.0137	0.212
C1005X6S1C474M050BC	470,000	0.370	0.0137	0.212
C1005X6S1C684K050BC	680,000	0.370	0.0091	0.147
C1005X6S1C684M050BC	680,000	0.370	0.0091	0.147
C1005X6S1C105K050BC	1,000,000	0.370	0.0084	0.100
C1005X6S1C105M050BC	1,000,000	0.370	0.0084	0.100
C1005X6S1C155K050BC	1,500,000	0.370	0.0063	0.0660
C1005X6S1C155M050BC	1,500,000	0.370	0.0063	0.0660
C1005X6S1C225K050BC	2,200,000	0.370	0.0055	0.0450
C1005X6S1C225M050BC	2,200,000	0.370	0.0055	0.0450
C1005X6S1E683K050BC	68,000	0.370	0.0257	1.47
C1005X6S1E683M050BC	68,000	0.370	0.0257	1.47

Multilayer Ceramic Chip Capacitors

Feb. 27, 2026
Simple Model

Commercial Grade General (Up to 75V) / C1005 series (8/11)

Circuit Diagram



Circuit Parameters

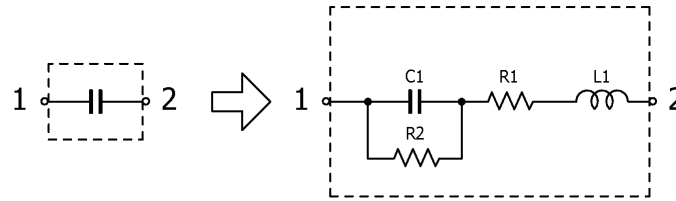
Part No.	C1[pF]	L1[nH]	R1[ohm]	R2[Gohm]
C1005X6S1E104K050BB	100,000	0.370	0.0198	5.00
C1005X6S1E104M050BB	100,000	0.370	0.0198	5.00
C1005X6S1E154K050BC	150,000	0.370	0.0158	0.666
C1005X6S1E154M050BC	150,000	0.370	0.0158	0.666
C1005X6S1E224K050BC	220,000	0.370	0.0125	0.454
C1005X6S1E224M050BC	220,000	0.370	0.0125	0.454
C1005X6S1V683K050BB	68,000	0.370	0.0257	7.35
C1005X6S1V683M050BB	68,000	0.370	0.0257	7.35
C1005X6S1V104K050BB	100,000	0.370	0.0198	5.00
C1005X6S1V104M050BB	100,000	0.370	0.0198	5.00
C1005X6S1H103K050BB	10,000	0.370	0.0806	10.0
C1005X6S1H103M050BB	10,000	0.370	0.0806	10.0
C1005X6S1H153K050BB	15,000	0.370	0.0583	10.0
C1005X6S1H153M050BB	15,000	0.370	0.0583	10.0
C1005X6S1H223K050BB	22,000	0.370	0.0436	10.0
C1005X6S1H223M050BB	22,000	0.370	0.0436	10.0
C1005X6S1H333K050BB	33,000	0.370	0.0310	10.0
C1005X6S1H333M050BB	33,000	0.370	0.0310	10.0
C1005X6S1H473K050BB	47,000	0.370	0.0263	10.0
C1005X6S1H473M050BB	47,000	0.370	0.0263	10.0
C1005X6S1H683K050BB	68,000	0.370	0.0257	7.35
C1005X6S1H683M050BB	68,000	0.370	0.0257	7.35
C1005X6S1H104K050BB	100,000	0.370	0.0198	5.00
C1005X6S1H104M050BB	100,000	0.370	0.0198	5.00
C1005X7R1A104K050BB	100,000	0.370	0.0204	1.00
C1005X7R1A154K050BB	150,000	0.370	0.0158	0.666
C1005X7R1A154M050BB	150,000	0.370	0.0158	0.666
C1005X7R1A224K050BB	220,000	0.370	0.0125	0.454
C1005X7R1A224M050BB	220,000	0.370	0.0125	0.454
C1005X7R1C103K050BA	10,000	0.370	0.0722	10.0
C1005X7R1C473K050BC	47,000	0.370	0.0288	2.13
C1005X7R1C473M050BC	47,000	0.370	0.0288	2.13
C1005X7R1C683K050BC	68,000	0.370	0.0274	1.47
C1005X7R1C683M050BC	68,000	0.370	0.0274	1.47
C1005X7R1C104K050BC	100,000	0.370	0.0186	1.00
C1005X7R1C104M050BC	100,000	0.370	0.0186	1.00

Multilayer Ceramic Chip Capacitors

Feb. 27, 2026
Simple Model

Commercial Grade General (Up to 75V) / C1005 series (9/11)

Circuit Diagram



Circuit Parameters

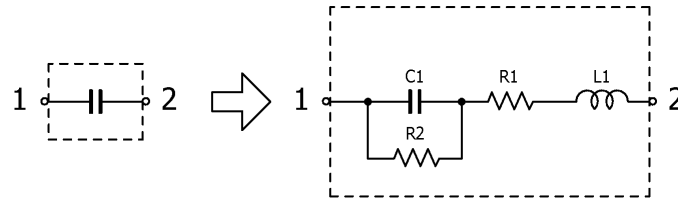
Part No.	C1[pF]	L1[nH]	R1[ohm]	R2[Gohm]
C1005X7R1C154K050BC	150,000	0.370	0.0158	0.666
C1005X7R1C154M050BC	150,000	0.370	0.0158	0.666
C1005X7R1C224K050BC	220,000	0.370	0.0125	0.454
C1005X7R1C224M050BC	220,000	0.370	0.0125	0.454
C1005X7R1E102K050BA	1,000	0.370	0.2349	10.0
C1005X7R1E103K050BB	10,000	0.370	0.0722	10.0
C1005X7R1E103M050BB	10,000	0.370	0.0722	10.0
C1005X7R1E223K050BB	22,000	0.370	0.0421	10.0
C1005X7R1E223M050BB	22,000	0.370	0.0421	10.0
C1005X7R1E473K050BC	47,000	0.370	0.0288	10.0
C1005X7R1E473M050BC	47,000	0.370	0.0288	10.0
C1005X7R1E683K050BB	68,000	0.370	0.0257	7.35
C1005X7R1E683M050BB	68,000	0.370	0.0257	7.35
C1005X7R1E104K050BB	100,000	0.370	0.0198	5.00
C1005X7R1E104M050BB	100,000	0.370	0.0198	5.00
C1005X7R1E224K050BB	220,000	0.370	0.0117	2.27
C1005X7R1V103K050BB	10,000	0.370	0.0806	10.0
C1005X7R1V103M050BB	10,000	0.370	0.0806	10.0
C1005X7R1V153K050BB	15,000	0.370	0.0583	10.0
C1005X7R1V153M050BB	15,000	0.370	0.0583	10.0
C1005X7R1V223K050BB	22,000	0.370	0.0436	10.0
C1005X7R1V223M050BB	22,000	0.370	0.0436	10.0
C1005X7R1V333K050BB	33,000	0.370	0.0310	10.0
C1005X7R1V333M050BB	33,000	0.370	0.0310	10.0
C1005X7R1V473K050BB	47,000	0.370	0.0263	10.0
C1005X7R1V473M050BB	47,000	0.370	0.0263	10.0
C1005X7R1V683K050BB	68,000	0.370	0.0257	7.35
C1005X7R1V683M050BB	68,000	0.370	0.0257	7.35
C1005X7R1V104K050BB	100,000	0.370	0.0198	5.00
C1005X7R1V104M050BB	100,000	0.370	0.0198	5.00
C1005X7R1V154K050BC	150,000	0.370	0.0146	3.33
C1005X7R1V154M050BC	150,000	0.370	0.0146	3.33
C1005X7R1V224K050BC	220,000	0.370	0.0117	2.27
C1005X7R1V224M050BC	220,000	0.370	0.0117	2.27
C1005X7R1H221K050BA	220	0.370	0.5814	10.0
C1005X7R1H221M050BA	220	0.370	0.5814	10.0

Multilayer Ceramic Chip Capacitors

Feb. 27, 2026
Simple Model

Commercial Grade General (Up to 75V) / C1005 series (10/11)

Circuit Diagram



Circuit Parameters

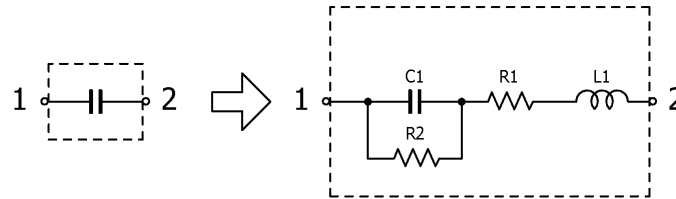
Part No.	C1[pF]	L1[nH]	R1[ohm]	R2[Gohm]
C1005X7R1H331K050BA	330	0.370	0.4623	10.0
C1005X7R1H331M050BA	330	0.370	0.4623	10.0
C1005X7R1H471K050BA	470	0.370	0.4212	10.0
C1005X7R1H471M050BA	470	0.370	0.4212	10.0
C1005X7R1H681K050BA	680	0.370	0.2801	10.0
C1005X7R1H681M050BA	680	0.370	0.2801	10.0
C1005X7R1H102K050BA	1,000	0.370	0.2349	10.0
C1005X7R1H102M050BA	1,000	0.370	0.2349	10.0
C1005X7R1H152K050BA	1,500	0.370	0.1966	10.0
C1005X7R1H152M050BA	1,500	0.370	0.1966	10.0
C1005X7R1H222K050BA	2,200	0.370	0.1416	10.0
C1005X7R1H222M050BA	2,200	0.370	0.1416	10.0
C1005X7R1H332K050BA	3,300	0.370	0.1188	10.0
C1005X7R1H332M050BA	3,300	0.370	0.1188	10.0
C1005X7R1H472K050BA	4,700	0.370	0.0824	10.0
C1005X7R1H472M050BA	4,700	0.370	0.0824	10.0
C1005X7R1H682K050BA	6,800	0.370	0.0747	10.0
C1005X7R1H682M050BA	6,800	0.370	0.0747	10.0
C1005X7R1H103K050BB	10,000	0.370	0.0806	10.0
C1005X7R1H103M050BB	10,000	0.370	0.0806	10.0
C1005X7R1H153K050BB	15,000	0.370	0.0583	10.0
C1005X7R1H153M050BB	15,000	0.370	0.0583	10.0
C1005X7R1H223K050BB	22,000	0.370	0.0436	10.0
C1005X7R1H223M050BB	22,000	0.370	0.0436	10.0
C1005X7R1H333K050BB	33,000	0.370	0.0310	10.0
C1005X7R1H333M050BB	33,000	0.370	0.0310	10.0
C1005X7R1H473K050BB	47,000	0.370	0.0263	10.0
C1005X7R1H473M050BB	47,000	0.370	0.0263	10.0
C1005X7R1H683K050BB	68,000	0.370	0.0257	7.35
C1005X7R1H683M050BB	68,000	0.370	0.0257	7.35
C1005X7R1H104K050BB	100,000	0.370	0.0198	5.00
C1005X7R1H104M050BB	100,000	0.370	0.0198	5.00
C1005X7S0G684K050BC	680,000	0.370	0.0095	0.147
C1005X7S0G684M050BC	680,000	0.370	0.0095	0.147
C1005X7S0G105K050BC	1,000,000	0.370	0.0100	0.100
C1005X7S0G105M050BC	1,000,000	0.370	0.0100	0.100

Multilayer Ceramic Chip Capacitors

Feb. 27, 2026
Simple Model

Commercial Grade General (Up to 75V) / C1005 series (11/11)

Circuit Diagram



Circuit Parameters

Part No.	C1[pF]	L1[nH]	R1[ohm]	R2[Gohm]
C1005X7S0G155K050BC	1,500,000	0.370	0.0063	0.0660
C1005X7S0G155M050BC	1,500,000	0.370	0.0063	0.0660
C1005X7S0G225K050BC	2,200,000	0.370	0.0055	0.0450
C1005X7S0G225M050BC	2,200,000	0.370	0.0055	0.0450
C1005X7S0J334K050BC	330,000	0.370	0.0156	0.303
C1005X7S0J334M050BC	330,000	0.370	0.0156	0.303
C1005X7S0J474K050BB	470,000	0.370	0.0129	0.212
C1005X7S0J474M050BB	470,000	0.370	0.0129	0.212
C1005X7S0J684K050BC	680,000	0.370	0.0095	0.147
C1005X7S0J684M050BC	680,000	0.370	0.0095	0.147
C1005X7S0J105K050BC	1,000,000	0.370	0.0084	0.100
C1005X7S0J105M050BC	1,000,000	0.370	0.0084	0.100
C1005X7S0J155K050BC	1,500,000	0.370	0.0066	0.0660
C1005X7S0J155M050BC	1,500,000	0.370	0.0066	0.0660
C1005X7S0J225K050BC	2,200,000	0.370	0.0055	0.0450
C1005X7S0J225M050BC	2,200,000	0.370	0.0055	0.0450
C1005X7S1A334K050BC	330,000	0.370	0.0156	0.303
C1005X7S1A334M050BC	330,000	0.370	0.0156	0.303
C1005X7S1A474K050BC	470,000	0.370	0.0128	0.212
C1005X7S1A474M050BC	470,000	0.370	0.0128	0.212
C1005X7S1A684K050BC	680,000	0.370	0.0094	0.147
C1005X7S1A684M050BC	680,000	0.370	0.0094	0.147
C1005X7S1A105K050BC	1,000,000	0.370	0.0084	0.100
C1005X7S1A105M050BC	1,000,000	0.370	0.0084	0.100
C1005X7S1A155K050BC	1,500,000	0.370	0.0056	0.0660
C1005X7S1A155M050BC	1,500,000	0.370	0.0056	0.0660
C1005X7S1A225K050BC	2,200,000	0.370	0.0055	0.0450
C1005X7S1A225M050BC	2,200,000	0.370	0.0055	0.0450
C1005X7S1C474K050BC	470,000	0.370	0.0094	0.212