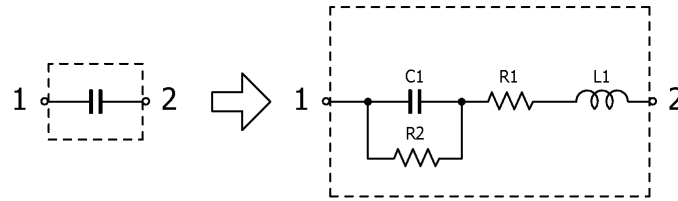


Multilayer Ceramic Chip Capacitors

Feb. 27, 2026
Simple Model

Commercial Grade Low ESL Reverse Geometry / C0510 series

Circuit Diagram



Circuit Parameters

Part No.	C1[pF]	L1[nH]	R1[ohm]	R2[Gohm]
C0510X5R0J105M030BC	1,000,000	0.091	0.0057	0.100
C0510X5R1A474M030BC	470,000	0.181	0.0053	0.212
C0510X5R1C104M030BC	100,000	0.233	0.0095	1.00
C0510X5R1C474M030BC	470,000	0.181	0.0053	0.212
C0510X6S0G104M030BC	100,000	0.233	0.0095	1.00
C0510X6S0G224M030BC	220,000	0.072	0.0095	0.454
C0510X6S0G474M030BC	470,000	0.064	0.0106	0.212
C0510X6S0G105M030BC	1,000,000	0.091	0.0057	0.100
C0510X6S0J474M030BC	470,000	0.181	0.0053	0.212
C0510X7R1E473M030BA	47,000	0.095	0.0226	10.0
C0510X7R1H473M030BC	47,000	0.095	0.0226	10.0
C0510X7S0E105M030BC	1,000,000	0.182	0.0036	0.100
C0510X7S0G474M030BC	470,000	0.181	0.0053	0.212