

SMD / SMT Inductors (Coils)

Feb. 27, 2026
Simple Model

Commercial Grade for Power Circuits / MLP2012 series

Circuit Diagram



Circuit Parameters

Part No.	L1[μ H]	R1[ohm]	C1[pF]	R2[ohm]
MLP2012HR47MT0S1	0.47	1,000	0.010	0.0700
MLP2012SR47MT0S1	0.47	630	1.759	0.0900
MLP2012SR47TT0S1	0.47	700	1.819	0.1300
MLP2012VR47MT0S1	0.47	920	1.549	0.1100
MLP2012HR54MT0S1	0.54	560	2.361	0.0650
MLP2012SR82TT0S1	0.82	610	1.748	0.1300
MLP2012H1R0MT0S1	1.0	1,300	1.848	0.1200
MLP2012S1R0MT0S1	1.0	1,500	1.779	0.1600
MLP2012S1R0TT0S1	1.0	1,100	1.971	0.2300
MLP2012V1R0MT0S1	1.0	1,800	1.616	0.2000
MLP2012H1R5MT0S1	1.5	1,100	1.846	0.1200
MLP2012S1R5MT0S1	1.5	1,300	1.492	0.1600
MLP2012S1R5TT0S1	1.5	1,100	2.095	0.2700
MLP2012V1R5MT0S1	1.5	1,700	1.749	0.2300
MLP2012H2R2MT0S1	2.2	1,600	2.233	0.1500
MLP2012S2R2MT0S1	2.2	2,200	1.965	0.2300
MLP2012S2R2TT0S1	2.2	1,300	2.124	0.3300
MLP2012V2R2MT0S1	2.2	1,800	1.920	0.2800
MLP2012S3R3MT0S1	3.3	1,300	1.432	0.1900
MLP2012S4R7MT0S1	4.7	1,500	1.793	0.2600
MLP2012V4R7MT0S1	4.7	2,500	2.507	0.4000