

SMD / SMT Inductors (Coils)

Feb. 27, 2026
Simple Model

Commercial Grade for Power Circuits / MLP2520 series

Circuit Diagram



Circuit Parameters

Part No.	L1[μ H]	R1[ohm]	C1[pF]	R2[ohm]
MLP2520HR47MT0S1	0.47	510	1.401	0.0700
MLP2520S1R0MT0S1	1.0	1,100	2.855	0.0850
MLP2520V1R0MT0S1	1.0	1,700	3.323	0.1000
MLP2520V1R0ST0S1	1.0	1,800	3.085	0.1000
MLP2520H1R0MT0S1	1.0	840	3.890	0.0750
MLP2520S1R0ST0S1	1.0	1,600	3.001	0.0800
MLP2520S1R5MT0S1	1.5	1,600	2.666	0.0900
MLP2520V1R5MT0S1	1.5	1,800	2.841	0.1000
MLP2520V1R5ST0S1	1.5	2,000	2.749	0.1000
MLP2520S2R2MT0S1	2.2	1,700	2.190	0.0900
MLP2520V2R2MT0S1	2.2	2,500	2.991	0.1200
MLP2520V2R2ST0S1	2.2	2,500	3.260	0.1200
MLP2520H2R2MT0S1	2.2	1,600	3.070	0.0900
MLP2520S2R2ST0S1	2.2	2,000	3.050	0.1100
MLP2520S3R3MT0S1	3.3	2,000	2.312	0.1500
MLP2520S3R3ST0S1	3.3	1,900	2.301	0.1100
MLP2520H3R3MT0S1	3.3	2,300	4.151	0.1300
MLP2520V3R3MT0S1	3.3	3,500	2.691	0.2000
MLP2520S4R7MT0S1	4.7	1,700	2.838	0.1500
MLP2520S4R7ST0S1	4.7	1,800	2.469	0.1100
MLP2520H4R7MT0S1	4.7	2,400	3.951	0.1300
MLP2520V4R7MT0S1	4.7	3,300	3.780	0.2400
MLP2520V4R7ST0S1	4.7	4,000	2.853	0.2200
MLP2520S100MT0S1	10	2,800	2.998	0.2800
MLP2520S100ST0S1	10	3,000	2.472	0.2800