

SMD / SMT Inductors (Coils)

Feb. 27, 2026
Simple Model

Automotive Grade for Standard Circuits / MLF1005 series (1/2)

Circuit Diagram



Circuit Parameters

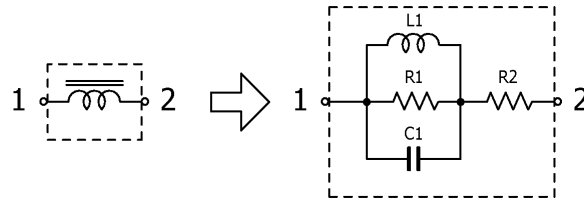
Part No.	L1[μ H]	R1[ohm]	C1[pF]	R2[ohm]
MLF1005VR10JTD25	0.10	450	0.338	0.3300
MLF1005VR10KTD25	0.10	450	0.338	0.3300
MLF1005VR12JTD25	0.12	520	0.382	0.3300
MLF1005VR12KTD25	0.12	520	0.382	0.3300
MLF1005VR15JTD25	0.15	640	0.367	0.3900
MLF1005VR15KTD25	0.15	640	0.367	0.3900
MLF1005VR18JTD25	0.18	740	0.378	0.4000
MLF1005VR18KTD25	0.18	740	0.378	0.4000
MLF1005VR22JTD25	0.22	920	0.456	0.4700
MLF1005VR22KTD25	0.22	920	0.456	0.4700
MLF1005VR27JTD25	0.27	1,100	0.438	0.6500
MLF1005VR27KTD25	0.27	1,100	0.438	0.6500
MLF1005VR33JTD25	0.33	1,400	0.524	0.6900
MLF1005VR33KTD25	0.33	1,400	0.524	0.6900
MLF1005GR39JTD25	0.39	390	0.218	0.2400
MLF1005VR39JTD25	0.39	1,700	0.564	0.8900
MLF1005GR39KTD25	0.39	390	0.218	0.2400
MLF1005VR39KTD25	0.39	1,700	0.564	0.8900
MLF1005GR47JTD25	0.47	460	0.262	0.2500
MLF1005VR47JTD25	0.47	2,300	0.548	0.9500
MLF1005GR47KTD25	0.47	460	0.262	0.2500
MLF1005VR47KTD25	0.47	2,300	0.548	0.9500
MLF1005GR56JTD25	0.56	530	0.257	0.3400
MLF1005VR56JTD25	0.56	2,600	0.644	1.3500
MLF1005GR56KTD25	0.56	530	0.257	0.3400
MLF1005VR56KTD25	0.56	2,600	0.644	1.3500
MLF1005GR68JTD25	0.68	650	0.296	0.4300
MLF1005GR68KTD25	0.68	650	0.296	0.4300
MLF1005GR82JTD25	0.82	780	0.325	0.4300
MLF1005GR82KTD25	0.82	780	0.325	0.4300
MLF1005G1R0JTD25	1.0	980	0.347	0.4500
MLF1005G1R0KTD25	1.0	980	0.347	0.4500
MLF1005G1R2JTD25	1.2	1,100	0.391	0.5500
MLF1005G1R2KTD25	1.2	1,100	0.391	0.5500
MLF1005G1R5JTD25	1.5	1,400	0.426	0.6800
MLF1005G1R5KTD25	1.5	1,400	0.426	0.6800

SMD / SMT Inductors (Coils)

Feb. 27, 2026
Simple Model

Automotive Grade for Standard Circuits / MLF1005 series (2/2)

Circuit Diagram



Circuit Parameters

Part No.	L1[uH]	R1[ohm]	C1[pF]	R2[ohm]
MLF1005G1R8JTD25	1.8	1,700	0.530	0.7500
MLF1005G1R8KTD25	1.8	1,700	0.530	0.7500
MLF1005G2R2JTD25	2.2	1,900	0.510	0.9900
MLF1005G2R2KTD25	2.2	1,900	0.510	0.9900