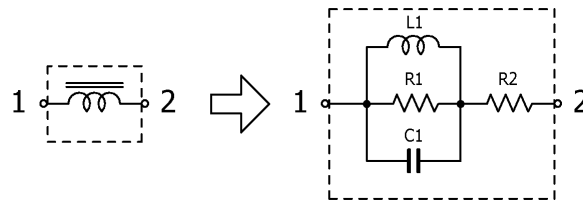


SMD / SMT Inductors (Coils)

Feb. 27, 2026
Simple Model

Automotive Grade for Standard Circuits / MLF2012 series (1/3)

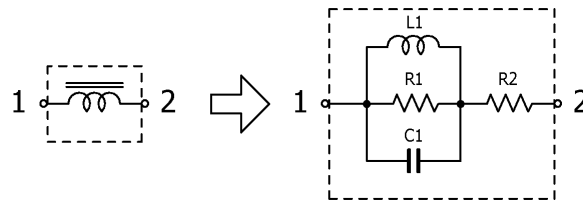
Circuit Diagram



Circuit Parameters

Part No.	L1[μ H]	R1[ohm]	C1[pF]	R2[ohm]
MLF2012D47NMTD25	0.047	230	1.100	0.0500
MLF2012D68NMTD25	0.068	290	1.035	0.0800
MLF2012D82NMTD25	0.082	350	1.021	0.0800
MLF2012DR10JTD25	0.10	460	1.013	0.1000
MLF2012DR10KTD25	0.10	420	1.013	0.1000
MLF2012DR10MTD25	0.10	420	1.013	0.1000
MLF2012DR12JTD25	0.12	500	1.042	0.1200
MLF2012DR12KTD25	0.12	530	1.042	0.1200
MLF2012DR12MTD25	0.12	530	1.042	0.1200
MLF2012DR15JTD25	0.15	640	1.005	0.1300
MLF2012DR15KTD25	0.15	600	1.005	0.1300
MLF2012DR15MTD25	0.15	600	1.005	0.1300
MLF2012DR18JTD25	0.18	810	1.028	0.1500
MLF2012DR18KTD25	0.18	800	1.028	0.1500
MLF2012DR18MTD25	0.18	800	1.028	0.1500
MLF2012DR22JTD25	0.22	1,000	1.057	0.1600
MLF2012DR22KTD25	0.22	1,000	1.057	0.1600
MLF2012DR22MTD25	0.22	1,000	1.057	0.1600
MLF2012DR27JTD25	0.27	1,400	1.042	0.1800
MLF2012DR27KTD25	0.27	1,900	1.042	0.1800
MLF2012DR27MTD25	0.27	1,900	1.042	0.1800
MLF2012DR33JTD25	0.33	1,800	1.053	0.2300
MLF2012DR33KTD25	0.33	1,500	1.053	0.2300
MLF2012DR33MTD25	0.33	1,500	1.053	0.2300
MLF2012DR39JTD25	0.39	2,400	1.039	0.2500
MLF2012DR39KTD25	0.39	3,600	1.039	0.2500
MLF2012DR39MTD25	0.39	3,600	1.039	0.2500
MLF2012DR47JTD25	0.47	2,700	1.019	0.2500
MLF2012DR47KTD25	0.47	2,800	1.019	0.2500
MLF2012DR47MTD25	0.47	2,800	1.019	0.2500
MLF2012DR56JTD25	0.56	3,900	1.026	0.3000
MLF2012DR56KTD25	0.56	3,500	1.026	0.3000
MLF2012DR56MTD25	0.56	3,500	1.026	0.3000
MLF2012DR68JTD25	0.68	6,200	1.032	0.3500
MLF2012DR68KTD25	0.68	6,100	1.032	0.3500
MLF2012DR68MTD25	0.68	6,100	1.032	0.3500

Circuit Diagram



Circuit Parameters

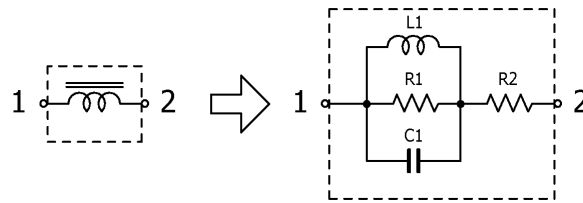
Part No.	L1[uH]	R1[ohm]	C1[pF]	R2[ohm]
MLF2012DR82JTD25	0.82	5,200	1.069	0.4000
MLF2012DR82KTD25	0.82	6,000	1.069	0.4000
MLF2012DR82MTD25	0.82	6,000	1.069	0.4000
MLF2012A1R0JTD25	1.0	870	0.989	0.1500
MLF2012A1R0KTD25	1.0	870	0.989	0.1500
MLF2012A1R0MTD25	1.0	870	0.989	0.1500
MLF2012A1R2JTD25	1.2	1,100	0.938	0.1500
MLF2012A1R2KTD25	1.2	1,100	0.938	0.1500
MLF2012A1R2MTD25	1.2	1,100	0.938	0.1500
MLF2012A1R5JTD25	1.5	1,300	0.862	0.1800
MLF2012A1R5KTD25	1.5	1,300	0.862	0.1800
MLF2012A1R5MTD25	1.5	1,300	0.862	0.1800
MLF2012A1R8JTD25	1.8	1,500	0.833	0.2000
MLF2012A1R8KTD25	1.8	1,500	0.833	0.2000
MLF2012A1R8MTD25	1.8	1,500	0.833	0.2000
MLF2012A2R2JTD25	2.2	1,900	0.800	0.2200
MLF2012A2R2KTD25	2.2	1,900	0.800	0.2200
MLF2012A2R2MTD25	2.2	1,900	0.800	0.2200
MLF2012A2R7JTD25	2.7	2,300	0.938	0.2500
MLF2012A2R7KTD25	2.7	2,300	0.938	0.2500
MLF2012A2R7MTD25	2.7	2,300	0.938	0.2500
MLF2012A3R3JTD25	3.3	2,800	0.948	0.2800
MLF2012A3R3KTD25	3.3	2,800	0.948	0.2800
MLF2012A3R3MTD25	3.3	2,800	0.948	0.2800
MLF2012A3R9JTD25	3.9	3,400	1.015	0.3000
MLF2012A3R9KTD25	3.9	3,400	1.015	0.3000
MLF2012A3R9MTD25	3.9	3,400	1.015	0.3000
MLF2012A4R7JTD25	4.7	4,400	1.100	0.3500
MLF2012A4R7KTD25	4.7	4,400	1.100	0.3500
MLF2012A4R7MTD25	4.7	4,400	1.100	0.3500
MLF2012E5R6JTD25	5.6	3,300	1.071	0.3000
MLF2012E5R6KTD25	5.6	2,600	1.071	0.3000
MLF2012E5R6MTD25	5.6	2,600	1.071	0.3000
MLF2012E6R8JTD25	6.8	3,800	1.035	0.3200
MLF2012E6R8KTD25	6.8	3,100	1.035	0.3200
MLF2012E6R8MTD25	6.8	3,100	1.035	0.3200

SMD / SMT Inductors (Coils)

Feb. 27, 2026
Simple Model

Automotive Grade for Standard Circuits / MLF2012 series (3/3)

Circuit Diagram



Circuit Parameters

Part No.	L1[μ H]	R1[ohm]	C1[pF]	R2[ohm]
MLF2012E8R2JTD25	8.2	4,700	1.021	0.3500
MLF2012E8R2KTD25	8.2	3,800	1.021	0.3500
MLF2012E8R2MTD25	8.2	3,800	1.021	0.3500
MLF2012E100JTD25	10	5,800	1.013	0.4000
MLF2012E100KTD25	10	4,500	1.013	0.4000
MLF2012E100MTD25	10	4,500	1.013	0.4000
MLF2012E120JTD25	12	6,400	1.042	0.5000
MLF2012E120KTD25	12	5,500	1.042	0.5000
MLF2012E120MTD25	12	5,500	1.042	0.5000
MLF2012C150KTD25	15	2,100	1.055	0.3500
MLF2012C150MTD25	15	2,100	1.055	0.3500
MLF2012C180KTD25	18	2,300	0.975	0.3800
MLF2012C180MTD25	18	2,300	0.975	0.3800
MLF2012C220KTD25	22	3,100	0.940	0.4500
MLF2012C220MTD25	22	3,100	0.940	0.4500
MLF2012C270KTD25	27	3,600	0.861	0.5000
MLF2012C270MTD25	27	3,600	0.861	0.5000
MLF2012C330KTD25	33	4,400	0.979	0.5500
MLF2012C330MTD25	33	4,400	0.979	0.5500
MLF2012K390KTD25	39	12,000	1.228	1.3000
MLF2012K390MTD25	39	12,000	1.228	1.3000
MLF2012K470KTD25	47	15,000	1.347	1.6000
MLF2012K470MTD25	47	15,000	1.347	1.6000
MLF2012K560KTD25	56	13,000	1.396	1.8000
MLF2012K560MTD25	56	13,000	1.396	1.8000
MLF2012C680KTD25	68	8,000	1.455	2.0000
MLF2012C680MTD25	68	8,000	1.455	2.0000
MLF2012C820KTD25	82	9,400	1.576	2.4000
MLF2012C820MTD25	82	9,400	1.576	2.4000
MLF2012C101KTD25	100	11,000	1.759	2.5000
MLF2012C101MTD25	100	11,000	1.759	2.5000