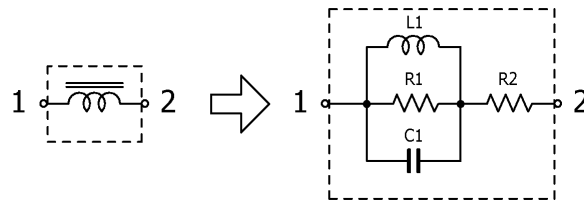


## SMD / SMT Inductors (Coils)

Feb. 27, 2026  
Simple Model

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

### Circuit Diagram



### Circuit Parameters

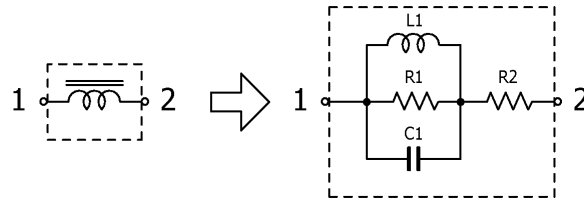
Part No.	L1[ $\mu$ H]	R1[ohm]	C1[pF]	R2[ohm]
MLF2012D47NMT000	0.047	230	1.100	0.0500
MLF2012D68NMT000	0.068	290	1.035	0.0800
MLF2012D82NMT000	0.082	350	1.021	0.0800
MLF2012DR10JT000	0.10	460	1.013	0.1000
MLF2012DR10KT000	0.10	420	1.013	0.1000
MLF2012DR10MT000	0.10	420	1.013	0.1000
MLF2012DR12JT000	0.12	500	1.042	0.1200
MLF2012DR12KT000	0.12	530	1.042	0.1200
MLF2012DR12MT000	0.12	530	1.042	0.1200
MLF2012DR15JT000	0.15	640	1.005	0.1300
MLF2012DR15KT000	0.15	600	1.005	0.1300
MLF2012DR15MT000	0.15	600	1.005	0.1300
MLF2012DR18JT000	0.18	810	1.028	0.1500
MLF2012DR18KT000	0.18	800	1.028	0.1500
MLF2012DR18MT000	0.18	800	1.028	0.1500
MLF2012DR22JT000	0.22	1,000	1.057	0.1600
MLF2012DR22KT000	0.22	1,000	1.057	0.1600
MLF2012DR22MT000	0.22	1,000	1.057	0.1600
MLF2012DR27JT000	0.27	1,400	1.042	0.1800
MLF2012DR27KT000	0.27	1,900	1.042	0.1800
MLF2012DR27MT000	0.27	1,900	1.042	0.1800
MLF2012DR33JT000	0.33	1,800	1.053	0.2300
MLF2012DR33KT000	0.33	1,500	1.053	0.2300
MLF2012DR33MT000	0.33	1,500	1.053	0.2300
MLF2012DR39JT000	0.39	2,400	1.039	0.2500
MLF2012DR39KT000	0.39	3,600	1.039	0.2500
MLF2012DR39MT000	0.39	3,600	1.039	0.2500
MLF2012DR47JT000	0.47	2,700	1.019	0.2500
MLF2012DR47KT000	0.47	2,800	1.019	0.2500
MLF2012DR47MT000	0.47	2,800	1.019	0.2500
MLF2012DR56JT000	0.56	3,900	1.026	0.3000
MLF2012DR56KT000	0.56	3,500	1.026	0.3000
MLF2012DR56MT000	0.56	3,500	1.026	0.3000
MLF2012DR68JT000	0.68	6,200	1.032	0.3500
MLF2012DR68KT000	0.68	6,100	1.032	0.3500
MLF2012DR68MT000	0.68	6,100	1.032	0.3500

## SMD / SMT Inductors (Coils)

Feb. 27, 2026  
Simple Model

Commercial Grade for Standard Circuits / MLF2012 series (2/3)

### Circuit Diagram



### Circuit Parameters

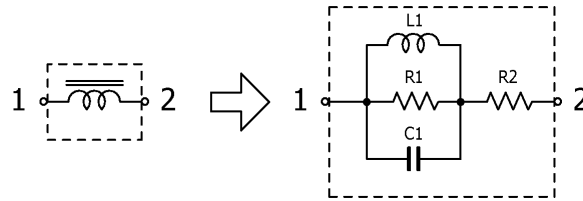
Part No.	L1[μH]	R1[ohm]	C1[pF]	R2[ohm]
MLF2012DR82JT000	0.82	5,200	1.069	0.4000
MLF2012DR82KT000	0.82	6,000	1.069	0.4000
MLF2012DR82MT000	0.82	6,000	1.069	0.4000
MLF2012A1R0JT000	1.0	870	0.989	0.1500
MLF2012A1R0KT000	1.0	870	0.989	0.1500
MLF2012A1R0MT000	1.0	870	0.989	0.1500
MLF2012A1R2JT000	1.2	1,100	0.938	0.1500
MLF2012A1R2KT000	1.2	1,100	0.938	0.1500
MLF2012A1R2MT000	1.2	1,100	0.938	0.1500
MLF2012A1R5JT000	1.5	1,300	0.862	0.1800
MLF2012A1R5KT000	1.5	1,300	0.862	0.1800
MLF2012A1R5MT000	1.5	1,300	0.862	0.1800
MLF2012A1R8JT000	1.8	1,500	0.833	0.2000
MLF2012A1R8KT000	1.8	1,500	0.833	0.2000
MLF2012A1R8MT000	1.8	1,500	0.833	0.2000
MLF2012A2R2JT000	2.2	1,900	0.800	0.2200
MLF2012A2R2KT000	2.2	1,900	0.800	0.2200
MLF2012A2R2MT000	2.2	1,900	0.800	0.2200
MLF2012A2R7JT000	2.7	2,300	0.938	0.2500
MLF2012A2R7KT000	2.7	2,300	0.938	0.2500
MLF2012A2R7MT000	2.7	2,300	0.938	0.2500
MLF2012A3R3JT000	3.3	2,800	0.948	0.2800
MLF2012A3R3KT000	3.3	2,800	0.948	0.2800
MLF2012A3R3MT000	3.3	2,800	0.948	0.2800
MLF2012A3R9JT000	3.9	3,400	1.015	0.3000
MLF2012A3R9KT000	3.9	3,400	1.015	0.3000
MLF2012A3R9MT000	3.9	3,400	1.015	0.3000
MLF2012A4R7JT000	4.7	4,400	1.100	0.3500
MLF2012A4R7KT000	4.7	4,400	1.100	0.3500
MLF2012A4R7MT000	4.7	4,400	1.100	0.3500
MLF2012E5R6JT000	5.6	3,300	1.071	0.3000
MLF2012E5R6KT000	5.6	2,600	1.071	0.3000
MLF2012E5R6MT000	5.6	2,600	1.071	0.3000
MLF2012E6R8JT000	6.8	3,800	1.035	0.3200
MLF2012E6R8KT000	6.8	3,100	1.035	0.3200
MLF2012E6R8MT000	6.8	3,100	1.035	0.3200

## SMD / SMT Inductors (Coils)

Feb. 27, 2026  
Simple Model

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

### Circuit Diagram



### Circuit Parameters

Part No.	L1[uH]	R1[ohm]	C1[pF]	R2[ohm]
MLF2012E8R2JT000	8.2	4,700	1.021	0.3500
MLF2012E8R2KT000	8.2	3,800	1.021	0.3500
MLF2012E8R2MT000	8.2	3,800	1.021	0.3500
MLF2012E100JT000	10	5,800	1.013	0.4000
MLF2012E100KT000	10	4,500	1.013	0.4000
MLF2012E100MT000	10	4,500	1.013	0.4000
MLF2012E120JT000	12	6,400	1.042	0.5000
MLF2012E120KT000	12	5,500	1.042	0.5000
MLF2012E120MT000	12	5,500	1.042	0.5000
MLF2012C150KT000	15	2,100	1.055	0.3500
MLF2012C150MT000	15	2,100	1.055	0.3500
MLF2012C180KT000	18	2,300	0.975	0.3800
MLF2012C180MT000	18	2,300	0.975	0.3800
MLF2012C220KT000	22	3,100	0.940	0.4500
MLF2012C220MT000	22	3,100	0.940	0.4500
MLF2012C270KT000	27	3,600	0.861	0.5000
MLF2012C270MT000	27	3,600	0.861	0.5000
MLF2012C330KT000	33	4,400	0.979	0.5500
MLF2012C330MT000	33	4,400	0.979	0.5500
MLF2012K390KT000	39	12,000	1.228	1.3000
MLF2012K390MT000	39	12,000	1.228	1.3000
MLF2012K470KT000	47	15,000	1.347	1.6000
MLF2012K470MT000	47	15,000	1.347	1.6000
MLF2012K560KT000	56	13,000	1.396	1.8000
MLF2012K560MT000	56	13,000	1.396	1.8000
MLF2012C680KT000	68	8,000	1.455	2.0000
MLF2012C680MT000	68	8,000	1.455	2.0000
MLF2012C820KT000	82	9,400	1.576	2.4000
MLF2012C820MT000	82	9,400	1.576	2.4000
MLF2012C101KT000	100	11,000	1.759	2.5000
MLF2012C101MT000	100	11,000	1.759	2.5000