

SMD / SMT Inductors (Coils)

Feb. 27, 2026
Simple Model

Commercial Grade for Standard Circuits / MLF1608 series (1/3)

Circuit Diagram



Circuit Parameters

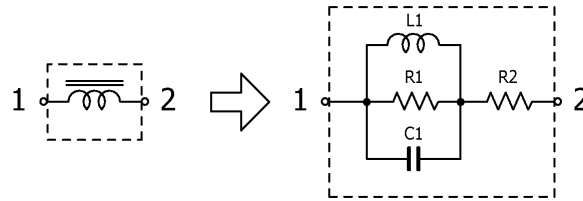
Part No.	L1[μ H]	R1[ohm]	C1[pF]	R2[ohm]
MLF1608D47NMTA00	0.047	250	0.665	0.1000
MLF1608D68NMTA00	0.068	360	0.722	0.1500
MLF1608D82NMTA00	0.082	400	0.731	0.1500
MLF1608DR10JT000	0.10	440	0.704	0.2000
MLF1608DR10KTA00	0.10	480	0.704	0.2000
MLF1608DR10MTA00	0.10	480	0.704	0.2000
MLF1608DR12JT000	0.12	520	0.698	0.2000
MLF1608DR12KTA00	0.12	540	0.698	0.2000
MLF1608DR12MTA00	0.12	540	0.698	0.2000
MLF1608DR15JT000	0.15	660	0.675	0.2500
MLF1608DR15KTA00	0.15	660	0.675	0.2500
MLF1608DR15MTA00	0.15	660	0.675	0.2500
MLF1608DR18JT000	0.18	780	0.695	0.2500
MLF1608DR18KTA00	0.18	920	0.695	0.2500
MLF1608DR18MTA00	0.18	920	0.695	0.2500
MLF1608DR22JT000	0.22	850	0.720	0.3000
MLF1608DR22KTA00	0.22	1,100	0.720	0.3000
MLF1608DR22MTA00	0.22	1,100	0.720	0.3000
MLF1608DR27JT000	0.27	1,200	0.766	0.3500
MLF1608DR27KTA00	0.27	1,800	0.766	0.3500
MLF1608DR27MTA00	0.27	1,800	0.766	0.3500
MLF1608DR33JT000	0.33	1,500	0.750	0.4000
MLF1608DR33KTA00	0.33	1,900	0.750	0.4000
MLF1608DR33MTA00	0.33	1,900	0.750	0.4000
MLF1608DR39JT000	0.39	2,200	0.772	0.4500
MLF1608DR39KTA00	0.39	2,800	0.772	0.4500
MLF1608DR39MTA00	0.39	2,800	0.772	0.4500
MLF1608DR47JT000	0.47	5,000	0.797	0.5000
MLF1608DR47KTA00	0.47	3,700	0.797	0.5000
MLF1608DR47MTA00	0.47	3,700	0.797	0.5000
MLF1608DR56JT000	0.56	3,300	0.855	0.5500
MLF1608DR56KTA00	0.56	4,200	0.855	0.5500
MLF1608DR56MTA00	0.56	4,200	0.855	0.5500
MLF1608DR68JT000	0.68	5,000	0.845	0.6500
MLF1608DR68KTA00	0.68	7,200	0.845	0.6500
MLF1608DR68MTA00	0.68	7,200	0.845	0.6500

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Circuit Diagram



Circuit Parameters

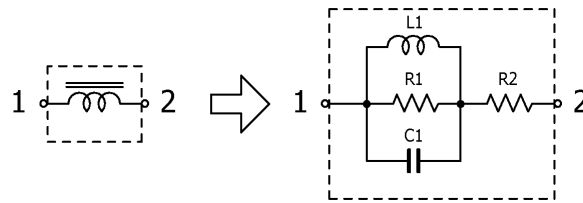
Part No.	L1[μ H]	R1[ohm]	C1[pF]	R2[ohm]
MLF1608DR82JT000	0.82	5,200	0.856	0.7500
MLF1608DR82KTA00	0.82	7,400	0.856	0.7500
MLF1608DR82MTA00	0.82	7,400	0.856	0.7500
MLF1608A1R0JT000	1.0	920	0.876	0.2500
MLF1608A1R0KTA00	1.0	920	0.876	0.2500
MLF1608A1R0MTA00	1.0	920	0.876	0.2500
MLF1608A1R2JT000	1.2	1,200	0.938	0.2500
MLF1608A1R2KTA00	1.2	1,200	0.938	0.2500
MLF1608A1R2MTA00	1.2	1,200	0.938	0.2500
MLF1608A1R5JT000	1.5	1,400	0.862	0.3000
MLF1608A1R5KTA00	1.5	1,400	0.862	0.3000
MLF1608A1R5MTA00	1.5	1,400	0.862	0.3000
MLF1608A1R8JT000	1.8	1,700	0.833	0.3500
MLF1608A1R8KTA00	1.8	1,700	0.833	0.3500
MLF1608A1R8MTA00	1.8	1,700	0.833	0.3500
MLF1608A2R2JT000	2.2	2,100	0.800	0.4500
MLF1608A2R2KTA00	2.2	2,100	0.800	0.4500
MLF1608A2R2MTA00	2.2	2,100	0.800	0.4500
MLF1608A2R7JT000	2.7	2,600	0.775	0.5000
MLF1608A2R7KTA00	2.7	2,600	0.775	0.5000
MLF1608A2R7MTA00	2.7	2,600	0.775	0.5000
MLF1608A3R3JT000	3.3	3,100	0.768	0.5500
MLF1608A3R3KTA00	3.3	3,100	0.768	0.5500
MLF1608A3R3MTA00	3.3	3,100	0.768	0.5500
MLF1608A3R9JT000	3.9	3,700	0.802	0.6500
MLF1608A3R9KTA00	3.9	3,700	0.802	0.6500
MLF1608A3R9MTA00	3.9	3,700	0.802	0.6500
MLF1608A4R7JT000	4.7	4,200	0.842	0.7500
MLF1608A4R7KTA00	4.7	4,200	0.842	0.7500
MLF1608A4R7MTA00	4.7	4,200	0.842	0.7500
MLF1608E5R6JT000	5.6	3,700	0.923	0.5500
MLF1608E5R6KTA00	5.6	2,400	0.923	0.5500
MLF1608E5R6MTA00	5.6	2,400	0.923	0.5500
MLF1608E6R8JT000	6.8	4,600	1.035	0.6500
MLF1608E6R8KTA00	6.8	3,300	1.035	0.6500
MLF1608E6R8MTA00	6.8	3,300	1.035	0.6500

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Circuit Parameters

Part No.	L1[μ H]	R1[ohm]	C1[pF]	R2[ohm]
MLF1608E8R2JT000	8.2	6,000	1.021	0.8000
MLF1608E8R2KTA00	8.2	3,700	1.021	0.8000
MLF1608E8R2MTA00	8.2	3,700	1.021	0.8000
MLF1608E100JT000	10	6,500	1.013	1.0000
MLF1608E100KTD00	10	4,400	1.013	1.0000
MLF1608E100MTD00	10	4,400	1.013	1.0000
MLF1608E120JT000	12	6,200	1.042	1.2000
MLF1608E120KTD00	12	5,100	1.042	1.2000
MLF1608E120MTD00	12	5,100	1.042	1.2000
MLF1608C150KTA00	15	2,500	0.957	0.8000
MLF1608C150MTA00	15	2,500	0.957	0.8000
MLF1608C180KTA00	18	2,600	0.880	0.8500
MLF1608C180MTA00	18	2,600	0.880	0.8500
MLF1608C220KTA00	22	3,000	0.797	0.9000
MLF1608C220MTA00	22	3,000	0.797	0.9000
MLF1608C270KTD00	27	3,800	0.766	1.2000
MLF1608C270MTD00	27	3,800	0.766	1.2000
MLF1608C330KTD00	33	4,500	0.853	1.4000
MLF1608C330MTD00	33	4,500	0.853	1.4000