

SMD / SMT Inductors (Coils)

Feb. 27, 2026
Simple Model

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

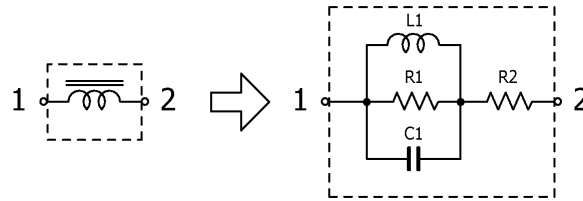
Circuit Diagram



Circuit Parameters

Part No.	L1[μ H]	R1[ohm]	C1[pF]	R2[ohm]
MLF1608D47NMTD25	0.047	250	0.665	0.1000
MLF1608D68NMTD25	0.068	360	0.722	0.1500
MLF1608D82NMTD25	0.082	400	0.731	0.1500
MLF1608DR10JTD25	0.10	440	0.704	0.2000
MLF1608DR10KTD25	0.10	480	0.704	0.2000
MLF1608DR10MTD25	0.10	480	0.704	0.2000
MLF1608DR12JTD25	0.12	520	0.698	0.2000
MLF1608DR12KTD25	0.12	540	0.698	0.2000
MLF1608DR12MTD25	0.12	540	0.698	0.2000
MLF1608DR15JTD25	0.15	660	0.675	0.2500
MLF1608DR15KTD25	0.15	660	0.675	0.2500
MLF1608DR15MTD25	0.15	660	0.675	0.2500
MLF1608DR18JTD25	0.18	780	0.695	0.2500
MLF1608DR18KTD25	0.18	920	0.695	0.2500
MLF1608DR18MTD25	0.18	920	0.695	0.2500
MLF1608DR22JTD25	0.22	850	0.720	0.3000
MLF1608DR22KTD25	0.22	1,100	0.720	0.3000
MLF1608DR22MTD25	0.22	1,100	0.720	0.3000
MLF1608DR27JTD25	0.27	1,200	0.766	0.3500
MLF1608DR27KTD25	0.27	1,800	0.766	0.3500
MLF1608DR27MTD25	0.27	1,800	0.766	0.3500
MLF1608DR33JTD25	0.33	1,500	0.750	0.4000
MLF1608DR33KTD25	0.33	1,900	0.750	0.4000
MLF1608DR33MTD25	0.33	1,900	0.750	0.4000
MLF1608DR39JTD25	0.39	2,200	0.772	0.4500
MLF1608DR39KTD25	0.39	2,800	0.772	0.4500
MLF1608DR39MTD25	0.39	2,800	0.772	0.4500
MLF1608DR47JTD25	0.47	5,000	0.797	0.5000
MLF1608DR47KTD25	0.47	3,700	0.797	0.5000
MLF1608DR47MTD25	0.47	3,700	0.797	0.5000
MLF1608DR56JTD25	0.56	3,300	0.855	0.5500
MLF1608DR56KTD25	0.56	4,200	0.855	0.5500
MLF1608DR56MTD25	0.56	4,200	0.855	0.5500
MLF1608DR68JTD25	0.68	5,000	0.845	0.6500
MLF1608DR68KTD25	0.68	7,200	0.845	0.6500
MLF1608DR68MTD25	0.68	7,200	0.845	0.6500

Circuit Diagram



Circuit Parameters

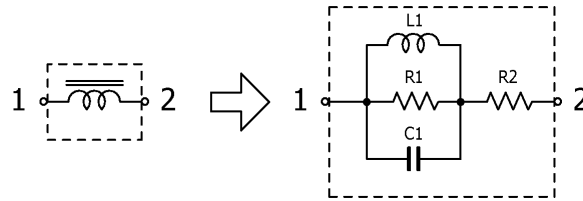
Part No.	L1[uH]	R1[ohm]	C1[pF]	R2[ohm]
MLF1608DR82JTD25	0.82	5,200	0.856	0.7500
MLF1608DR82KTD25	0.82	7,400	0.856	0.7500
MLF1608DR82MTD25	0.82	7,400	0.856	0.7500
MLF1608A1R0JTD25	1.0	920	0.876	0.2500
MLF1608A1R0KTD25	1.0	920	0.876	0.2500
MLF1608A1R0MTD25	1.0	920	0.876	0.2500
MLF1608A1R2JTD25	1.2	1,200	0.938	0.2500
MLF1608A1R2KTD25	1.2	1,200	0.938	0.2500
MLF1608A1R2MTD25	1.2	1,200	0.938	0.2500
MLF1608A1R5JTD25	1.5	1,400	0.862	0.3000
MLF1608A1R5KTD25	1.5	1,400	0.862	0.3000
MLF1608A1R5MTD25	1.5	1,400	0.862	0.3000
MLF1608A1R8JTD25	1.8	1,700	0.833	0.3500
MLF1608A1R8KTD25	1.8	1,700	0.833	0.3500
MLF1608A1R8MTD25	1.8	1,700	0.833	0.3500
MLF1608A2R2JTD25	2.2	2,100	0.800	0.4500
MLF1608A2R2KTD25	2.2	2,100	0.800	0.4500
MLF1608A2R2MTD25	2.2	2,100	0.800	0.4500
MLF1608A2R7JTD25	2.7	2,600	0.775	0.5000
MLF1608A2R7KTD25	2.7	2,600	0.775	0.5000
MLF1608A2R7MTD25	2.7	2,600	0.775	0.5000
MLF1608A3R3JTD25	3.3	3,100	0.768	0.5500
MLF1608A3R3KTD25	3.3	3,100	0.768	0.5500
MLF1608A3R3MTD25	3.3	3,100	0.768	0.5500
MLF1608A3R9JTD25	3.9	3,700	0.802	0.6500
MLF1608A3R9KTD25	3.9	3,700	0.802	0.6500
MLF1608A3R9MTD25	3.9	3,700	0.802	0.6500
MLF1608A4R7JTD25	4.7	4,200	0.842	0.7500
MLF1608A4R7KTD25	4.7	4,200	0.842	0.7500
MLF1608A4R7MTD25	4.7	4,200	0.842	0.7500
MLF1608E5R6JTD25	5.6	3,700	0.923	0.5500
MLF1608E5R6KTD25	5.6	2,400	0.923	0.5500
MLF1608E5R6MTD25	5.6	2,400	0.923	0.5500
MLF1608E6R8JTD25	6.8	4,600	1.035	0.6500
MLF1608E6R8KTD25	6.8	3,300	1.035	0.6500
MLF1608E6R8MTD25	6.8	3,300	1.035	0.6500

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Circuit Diagram



Circuit Parameters

Part No.	L1[uH]	R1[ohm]	C1[pF]	R2[ohm]
MLF1608E8R2JTD25	8.2	6,000	1.021	0.8000
MLF1608E8R2KTD25	8.2	3,700	1.021	0.8000
MLF1608E8R2MTD25	8.2	3,700	1.021	0.8000
MLF1608E100JTD25	10	6,500	1.013	1.0000
MLF1608E100KTD25	10	4,400	1.013	1.0000
MLF1608E100MTD25	10	4,400	1.013	1.0000
MLF1608E120JTD25	12	6,200	1.042	1.2000
MLF1608E120KTD25	12	5,100	1.042	1.2000
MLF1608E120MTD25	12	5,100	1.042	1.2000
MLF1608C150KTD25	15	2,500	0.957	0.8000
MLF1608C150MTD25	15	2,500	0.957	0.8000
MLF1608C180KTD25	18	2,600	0.880	0.8500
MLF1608C180MTD25	18	2,600	0.880	0.8500
MLF1608C220KTD25	22	3,000	0.797	0.9000
MLF1608C220MTD25	22	3,000	0.797	0.9000
MLF1608C270KTD25	27	3,800	0.766	1.2000
MLF1608C270MTD25	27	3,800	0.766	1.2000
MLF1608C330KTD25	33	4,500	0.853	1.4000
MLF1608C330MTD25	33	4,500	0.853	1.4000