

## SMD / SMT Inductors (Coils)

Feb. 27, 2026  
Simple Model

Automotive Grade for Power Circuits / CLF6045NI-D series

### Circuit Diagram



### Circuit Parameters

| Part No.          | L1[ $\mu$ H] | R1[ohm] | C1[pF] | R2[ohm] |
|-------------------|--------------|---------|--------|---------|
| CLF6045NIT-1R0N-D | 1.0          | 1,900   | 0.799  | 0.0110  |
| CLF6045NIT-1R5N-D | 1.5          | 2,800   | 0.592  | 0.0130  |
| CLF6045NIT-2R2N-D | 2.2          | 4,000   | 0.941  | 0.0150  |
| CLF6045NIT-3R3N-D | 3.3          | 5,700   | 0.956  | 0.0190  |
| CLF6045NIT-4R7N-D | 4.7          | 6,600   | 1.431  | 0.0230  |
| CLF6045NIT-6R8N-D | 6.8          | 8,600   | 1.220  | 0.0270  |
| CLF6045NIT-100M-D | 10           | 13,000  | 1.294  | 0.0350  |
| CLF6045NIT-150M-D | 15           | 17,000  | 1.777  | 0.0600  |
| CLF6045NIT-220M-D | 22           | 19,000  | 2.116  | 0.0750  |
| CLF6045NIT-330M-D | 33           | 30,000  | 2.388  | 0.1000  |
| CLF6045NIT-470M-D | 47           | 51,000  | 2.124  | 0.1300  |
| CLF6045NIT-680M-D | 68           | 71,000  | 2.149  | 0.2000  |
| CLF6045NIT-101M-D | 100          | 120,000 | 2.438  | 0.3200  |
| CLF6045NIT-151M-D | 150          | 200,000 | 3.093  | 0.4800  |
| CLF6045NIT-221M-D | 220          | 280,000 | 3.274  | 0.7200  |
| CLF6045NIT-331M-D | 330          | 290,000 | 4.047  | 0.9200  |
| CLF6045NIT-471M-D | 470          | 300,000 | 5.037  | 1.3000  |