

SMD Shielded Power Inductors – SDS0804 Series

Electrical Characteristics

Part Number	Inductance ① (mH) ±20%	Q Min.	Q Frequency (KHz)	DC Resistance (Ω)Max	SRF (Mhz) Typ	Isat ② (A)	Irms ③ (A)
SDS0804T1R0M	1.0	3	100	0.021	110	5.6	5.0
SDS0804T1R5M	1.5	5	100	0.022	90	5.2	4.5
SDS0804T2R2M	2.2	5	100	0.032	60	5.0	3.8
SDS0804T3R3M	3.3	5	100	0.039	55	3.9	3.3
SDS0804T4R7M	4.7	10	100	0.054	30	3.2	2.7
SDS0804T6R8M	6.8	10	100	0.075	30	2.8	2.2
SDS0804T100M	10.0	10	100	0.101	28	2.4	2.0
SDS0804T150M	15.0	15	100	0.15	20	2.0	1.5
SDS0804T220M	22.0	20	100	0.207	15	1.6	1.3
SDS0804T330M	33.0	20	100	0.334	12	1.4	1.1
SDS0804T470M	47.0	20	100	0.472	10	1.0	0.8

1. Tested at 100kHz , 0.1 Vrms.
 2. Inductance drop = 10% typ. At rated Isat.
 3. 40 °rise typ. at Irms.
- Operating temperature range - 40 to 85