

SMD Shielded Power Inductors – SDS0402 Series

Electrical Characteristics

Part Number	Inductance ① (mH)	Tolerance (±%)	Q Min	Q Frequency (Khz)	DC Resistance (⁺⁹) Max	Self Resonant Frequency (MHz) Typ	Irms ② (A)
SDS0402T1R0M	1.0	20	30	200	0.040	200	3.0
SDS0402T1R5M	1.5	20	30	200	0.045	100	2.8
SDS0402T2R2M	2.2	20	40	200	0.050	90	1.8
SDS0402T3R3M	3.3	20	40	200	0.060	90	1.6
SDS0402T4R7M	4.7	20	40	200	0.065	80	1.4
SDS0402T6R8M	6.8	20	40	200	0.070	40	1.2
SDS0402T100M	10	20	40	200	0.075	30	1.0
SDS0402T150M	15	20	40	100	0.090	25	0.80
SDS0402T220M	22	20	40	100	0.110	20	0.70
SDS0402T330M	33	20	40	100	0.190	15	0.60
SDS0402T470M	47	20	40	100	0.230	15	0.50
SDS0402T680M	68	20	40	100	0.290	10	0.40
SDS0402T101M	100	20	40	100	0.480	8	0.30
SDS0402T151M	150	20	40	100	0.590	7	0.26
SDS0402T221M	220	20	40	100	0.770	4	0.22
SDS0402T331M	330	20	40	100	1.4	4	0.20
SDS0402T471M	470	20	40	100	1.8	3	0.19
SDS0402T681M	680	20	40	100	2.2	2	0.18
SDS0402T102M	1000	20	40	100	3.4	1	0.15
SDS0402T152M	1500	20	50	100	4.2	1	0.12
SDS0402T222M	2200	20	50	100	8.5	1	0.10
SDS0402T332M	3300	20	50	100	11	0.5	0.08
SDS0402T472M	4700	20	50	100	13.9	0.5	0.06
SDS0402T682M	6800	20	50	100	25	0.5	0.04
SDS0402T103M	10000	20	50	100	32.8	0.4	0.02

- Inductance tested at 0.1 Vrms, 100kHz.
- 30 temperature rise at I_{rms}
- Operating temperature range - 40 to +85