



Dimensions in mm.

Notes for SPL5028 shielded power inductor:
 Inductance tolerance: $M = \pm 20\%$ over the entire inductance range.
 Flammability rating: UL 94 V-0.
 Operating temperature range: $-40^{\circ}\text{C} \sim +125^{\circ}\text{C}$.
 Packaging: Tape and reel only.

Test instruments: HP4294 Impedance / Material Analyzer.
 Inductance tested at 0.1 Vrms, 100 KHz.
 Isat: Inductance drop = 20% typical.
 $\Delta T = 40^{\circ}\text{C}$ rise typical at Irms.
 Magnetically shielded construction.
 Manufactured to RoHS compliance.

Part Number	Inductance [μH , $\pm 20\%$]	DC Resistance Max [Ω]	Isat [A]	Irms [A]	SRF Typical [MHz]
SPL5028-1R0M	1.0	0.011	20	8.6	80
SPL5028-2R2M	2.2	0.014	16	7.1	80
SPL5028-3R3M	3.3	0.016	14	6.2	60
SPL5028-5R6M	5.6	0.022	12	5.3	40
SPL5028-100M	10	0.032	10	4.3	30
SPL5028-150M	15	0.036	8.0	4.0	22
SPL5028-220M	22	0.047	7.0	3.5	20
SPL5028-330M	33	0.066	5.5	3.0	15
SPL5028-470M	47	0.087	4.5	2.6	9
SPL5028-680M	68	0.13	3.5	2.3	8
SPL5028-101M	100	0.19	3.0	1.8	7
SPL5028-151M	150	0.25	2.6	1.5	6
SPL5028-221M	220	0.38	2.4	1.2	5
SPL5028-331M	330	0.56	1.9	1.0	4
SPL5028-471M	470	0.85	1.4	0.82	3
SPL5028-681M	680	1.2	1.2	0.72	2.5
SPL5028-102M	1000	1.8	1.0	0.56	2