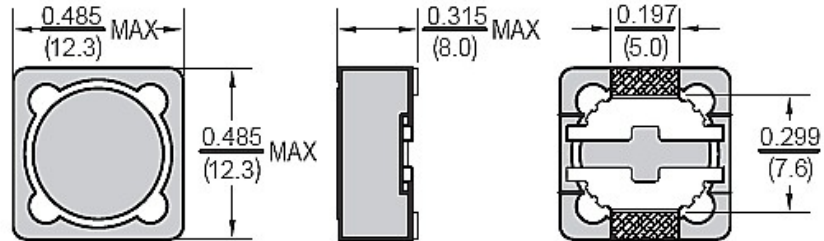




Power Chip Shielded Inductor SPCDR127

Dimensions: $\frac{\text{Inches}}{\text{(mm)}}$

SPCDR127



Part Number	Inductance uH	Tolerance %	Test Freq MHz	DCR max ohms	I _{rms} mA	I _{sat} mA
SPCDR127-R47T-LF	0.47	30	100	0.0023	17896	56000
SPCDR127-1R0T-LF	1	30	100	0.0031	15469	40000
SPCDR127-1R5T-LF	1.5	30	100	0.0041	13533	31110
SPCDR127-2R2T-LF	2.2	30	100	0.0048	12464	25450
SPCDR127-2R7T-LF	2.7	30	100	0.0068	10495	21540
SPCDR127-3R9T-LF	3.9	30	100	0.0108	8330	18670
SPCDR127-4R7T-LF	4.7	30	100	0.011	8253	16470
SPCDR127-5R6T-LF	5.6	30	100	0.0134	7535	14740
SPCDR127-6R8T-LF	6.8	30	100	0.0139	7337	13330
SPCDR127-8R2M-LF	8.2	20	100	0.0188	6307	12170
SPCDR127-100M-LF	10	20	100	0.0206	6026	11200
SPCDR127-120M-LF	12	20	100	0.0241	5574	10370
SPCDR127-150M-LF	15	20	100	0.0296	5028	9660
SPCDR127-180M-LF	18	20	100	0.0437	4142	8480
SPCDR127-220M-LF	22	20	100	0.0469	3997	7570
SPCDR127-270M-LF	27	20	100	0.058	3596	6830
SPCDR127-330M-LF	33	20	100	0.072	3226	6220
SPCDR127-390M-LF	39	20	100	0.0764	3131	5710
SPCDR127-470M-LF	47	20	100	0.0863	2947	5280
SPCDR127-560M-LF	56	20	100	0.0945	2815	4910
SPCDR127-680M-LF	68	20	100	0.126	2439	4440
SPCDR127-820M-LF	82	20	100	0.1716	2090	3940
SPCDR127-101M-LF	100	20	100	0.1956	1957	3640
SPCDR127-121M-LF	120	20	100	0.2334	1832	3290
SPCDR127-151M-LF	150	20	100	0.2964	1590	2950
SPCDR127-181M-LF	180	20	100	0.3288	1510	2720
SPCDR127-221M-LF	220	20	100	0.4512	1289	2430
SPCDR127-271M-LF	270	20	100	0.508	1214	2200
SPCDR127-331M-LF	330	20	100	0.6888	1043	1990
SPCDR127-391M-LF	390	20	100	0.889	918	1830
SPCDR127-471M-LF	470	20	100	1.0332	952	1680
SPCDR127-561M-LF	560	20	100	1.132	814	1530
SPCDR127-681M-LF	680	20	100	1.296	760	1390
SPCDR127-821M-LF	820	20	100	1.764	652	1270
SPCDR127-102M-LF	1000	20	100	1.992	613	1140
SPCDR127-122M-LF	1200	20	100	2.61	536	1050

Features

- Magnetically Shielded
- High saturation current
- Expanded operating temp range
- Low DC Resistance
- High Energy Storage
- Low Energy Loss
- Suitable for pick and place

Electrical

Inductance Range: .47µh to 1200µh
 Tolerance: .47µh~6.8µh 30%,
 8.2µh~1200µh 20%
 Test Frequency: 1KHz, 0.25V
 Operating Temp: -55°C ~ +125°C
 I_{rms}: Current at which the Δ T=40°C
 I_{sat}: Current at which the inductance drops 35% from initial value

Resistance to Soldering Heat

Pre-Heat 150°C, 1 Min.
 Solder Composition:
 Sn/Ag3.0/Cu0.5
 Solder Temp: 260°C +/- 5°C
 Immersion time: 10 sec. +/- 1 sec.

Physical

Packaging: 500 pieces per 13 inch reel.
 Marking: EIA Inductance Code.