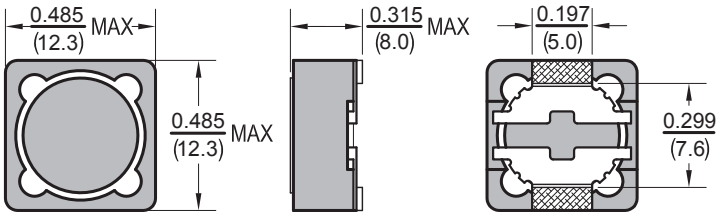
RoHS

Power Chip Shielded Inductors PCSDR127



Dimensions: Inches / (mm)



Allied Part Number	Inductance (µh)	Tolerance (%)	Test Freq. KHz, 0.25V	DCR (Ω)	I rms (A)	I sat (A)
PCSDR127-R47T-RC	0.47	30	100	0.0023	17.896	56.000
PCSDR127-1R0T-RC	1.0	30	100	0.0031	15.469	40.000
PCSDR127-1R5T-RC	1.5	30	100	0.0041	13.533	31.110
PCSDR127-2R2T-RC	2.2	30	100	0.0048	12.464	25.450
PCSDR127-2R7T-RC	2.7	30	100	0.0068	10.495	21.540
PCSDR127-3R9T-RC	3.9	30	100	0.0108	8.330	18.670
PCSDR127-4R7T-RC	4.7	30	100	0.0110	8.253	16.470
PCSDR127-5R6T-RC	5.6	30	100	0.0134	7.535	14.740
PCSDR127-6R8T-RC	6.8	30	100	0.0139	7.337	13.330
PCSDR127-8R2M-RC	8.2	20	100	0.0188	6.307	12.170
PCSDR127-100M-RC	10	20	100	0.0206	6.026	11.200
PCSDR127-120M-RC	12	20	100	0.0241	5.574	10.370
PCSDR127-150M-RC	15	20	100	0.0296	5.028	9.660
PCSDR127-180M-RC	18	20	100	0.0437	4.142	8.480
PCSDR127-220M-RC	22	20	100	0.0469	3.997	7.570
PCSDR127-270M-RC	27	20	100	0.0580	3.596	6.830
PCSDR127-330M-RC	33	20	100	0.0720	3.226	6.220
PCSDR127-390M-RC	39	20	100	0.0764	3.131	5.710
PCSDR127-470M-RC	47	20	100	0.0863	2.947	5.280
PCSDR127-560M-RC	56	20	100	0.0945	2.815	4.910
PCSDR127-680M-RC	68	20	100	0.1260	2.439	4.440
PCSDR127-820M-RC	82	20	100	0.1716	2.090	3.940
PCSDR127-101M-RC	100	20	100	0.1956	1.957	3.640
PCSDR127-121M-RC	120	20	100	0.2334	1.832	3.290
PCSDR127-151M-RC	150	20	100	0.2964	1.590	2.950
PCSDR127-181M-RC	180	20	100	0.3288	1.510	2.720
PCSDR127-221M-RC	220	20	100	0.4512	1.289	2.430
PCSDR127-271M-RC	270	20	100	0.5080	1.214	2.200
PCSDR127-331M-RC	330	20	100	0.6888	1.043	1.990
PCSDR127-391M-RC	390	20	100	0.8890	0.918	1.830
PCSDR127-471M-RC	470	20	100	1.0332	0.852	1.680
PCSDR127-561M-RC	560	20	100	1.1320	0.814	1.530
PCSDR127-681M-RC	680	20	100	1.2960	0.760	1.390
PCSDR127-821M-RC	820	20	100	1.7640	0.652	1.270
PCSDR127-102M-RC	1000	20	100	1.9920	0.613	1.140
PCSDR127-122M-RC	1200	20	100	2.6100	0.536	1.050

All specifications subject to change without notice.

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%
Available in tighter tolerances
Test Frequency: 1KHz, 0.25V
Operating Temp: -55ºC ~ +125ºC
Irms: Current at which the ΔT=40ºC
Isat: Current at which the inductance drops 35% from initial value

Resistance to Soldering Heat

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

Test Equipment

(L): HP 4284A LCR meter or equivalent
(RDC): HP 4338B Millohm meter or equivalent
(IDC): 3260B WK & DC Bias 3265B WK

Physical

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