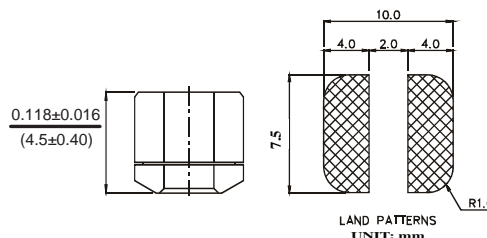
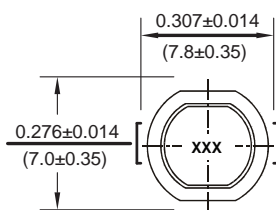




Shielded Power Chip Inductor PCSD054



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



Allied Part Number	Inductance (μh)	Tolerance (%)	Test Freq. KHz, 0.1V	RDC (Ω) Max.	Rated Current (A)
PCSD054-100M-RC	10	20	100	0.07	1.65
PCSD054-120M-RC	12	20	100	0.07	1.57
PCSD054-150M-RC	15	20	100	0.08	1.39
PCSD054-180M-RC	18	20	100	0.10	1.29
PCSD054-220M-RC	22	20	100	0.13	1.12
PCSD054-270M-RC	27	20	100	0.16	1.06
PCSD054-330L-RC	33	15	100	0.18	0.97
PCSD054-390L-RC	39	15	100	0.18	0.91
PCSD054-470L-RC	47	15	100	0.27	0.80
PCSD054-560K-RC	56	10	100	0.29	0.76
PCSD054-680L-RC	68	15	100	0.33	0.68
PCSD054-820L-RC	82	15	100	0.43	0.62
PCSD054-101K-RC	100	10	100	0.49	0.55
PCSD054-121K-RC	120	10	100	0.68	0.49
PCSD054-151K-RC	150	10	100	0.94	0.44
PCSD054-181K-RC	180	10	100	1.00	0.40
PCSD054-221K-RC	220	10	100	1.18	0.36
PCSD054-271K-RC	270	10	100	1.30	0.33

Tolerance: also available in: K=10% and M=20%
All specifications subject to change without notice.

Features

- SMD Power Inductor
- Magnetically shielded
- Low DC resistance
- High Current
- Ideal for DC-DC converter applications

Electrical

Inductance Range: 10 μh to 270 μh , Available in additional values
Tolerance: As shown in the table. Also, available in tighter tolerances
Operating Temp: -40°C ~ +100°C
Rated Current: Current at which inductance drop by no more than 10% of initial value or the temperature has risen by 40°C which ever occurs first

Test Equipment

(L): HP4284 A LCR Meter
(RDC): CH502BC or equal

Physical

Packaging: 800 pieces per 13 inch reel.
Marking: EIA Inductance Code