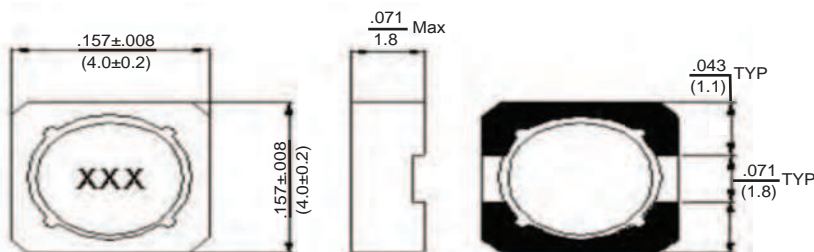




SMD SHIELDED POWER CHIP INDUCTOR

PCSLP418

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



Allied Part Number	Inductance (μh)	Tolerance (%)	Test Freq. @ 100mV	RDC (mΩ) Max	Isat (A)	Irms (A)	Marking
PCSLP418-1R0M	1.0	20	1	42	3.90	3.20	1R0
PCSLP418-1R8M	1.8	20	1	60	2.90	3.00	1R8
PCSLP418-2R2M	2.2	20	1	70	2.80	2.30	2R2
PCSLP418-3R3M	3.3	20	1	80	2.00	1.90	3R3
PCSLP418-4R7M	4.7	20	1	125	1.70	1.60	4R7
PCSLP418-100M	10	20	1	220	1.30	1.25	100
PCSLP418-150M	15	20	1	260	0.86	1.00	150
PCSLP418-220M	22	20	1	360	0.74	0.90	220

All specifications subject to change without notice.

Features

- Shielded SMD Power Inductor
- Low Profile 1.8mm Max
- High Current
- Low DC Resistance
- Ideal for DC-DC converter applications

Electrical

Inductance Range: 1.0μh ~ 22μh

Tolerance: 30% over entire range, tighter tolerances available

Operating Temp: -40°C ~ +105°C

Isat: The current at which the Inductance will drop and will not exceed 30% from initial value.

Irms: Based on a temp rise of $\Delta T = 40^\circ\text{C}$

Resistance to Soldering Heat

Pre-Heat 150°C, 1 Min.

Solder Composition: Sn/Ag3.0/Cu0.5

Solder Temp: 260°C +/- 5°C for 10 sec

Test Equipment

(L): HP4284A + HP16334A

(RDC): Chroma MilliOhm Meter Mode 16502

(Isat): HP4284A + HP4241A

(Irms): Agilent 66418/ DC Power Supply

Physical

Packaging: 1K per Tape and reel

Marking: As indicated