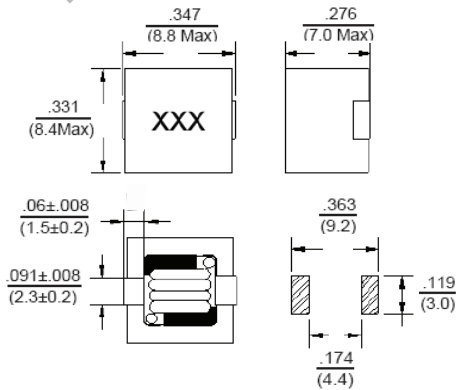




Power Shielded Inductor

PS80



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

Allied Part Number	Inductance (μH)	Tolerance ($\pm\%$)	Test Frequency (KHz, 0.5V)	RDC	Isat (A) Max	I _{rms} (A) Max
PS80-R33M-RC	.33	20	100	2.7	45	22
PS80-R47M-RC	.47	20	100	3.1	40	20
PS80-R56M-RC	.56	20	100	3.1	30	20
PS80-R68M-RC	.68	20	100	3.1	24	20
PS80-R82M-RC	.82	20	100	4.2	21	18
PS80-1R0M-RC	1.0	20	100	5.8	19	15
PS80-1R2M-RC	1.2	20	100	5.8	16	15

All specifications subject to change without notice.

Features

- SMD Ultra High Current up to 45A
- Magnetically Shielded Construction
- Designed for low buzz noise
- Low DC Resistance
- Suitable for pick and place

Electrical

Inductance Range: .33 μH to 1.2 μH additional values available.

Tolerance: 20% over entire range
Available in tighter tolerances

Test Frequency: 100KHz

Operating Temp: -25°C to +85°C

Temp. Rise: $\Delta=40^\circ\text{C}$ Typical at rated I_{rms} without without core loss.

Part temperature should not exceed 125°C including temperature rise.

Inductance drop: 30% typical at rated Isat

Resistance to Soldering Heat

Pre-Heat 150°C, 1 minute.

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

Solder Temp: 260°C \pm 5°C

Immersion Time: 10 sec. \pm 1 sec.

Test Equipment

(L): WK 4237 Meter

DCR: HK502BS Meter

Isat/I_{rms}: 3260B WK & DC Bias 3265B WK

Physical

Packaging: 500 pieces per 13 inch reel.

Marking: EIA Inductance Code