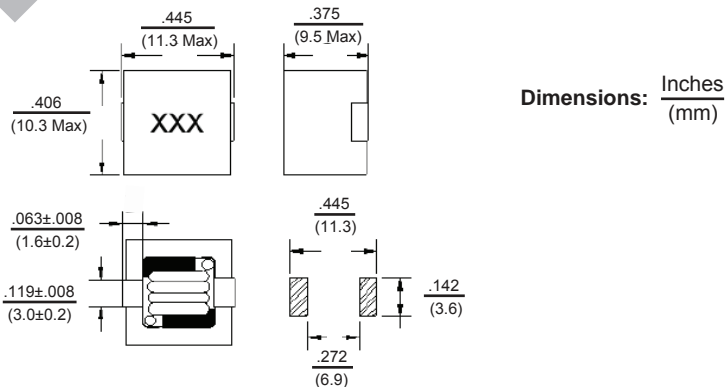




Power Shielded Inductor

PS100



| Allied Part Number | Inductance (μH) | Tolerance (±%) | Test Frequency (KHz, 0.5V) | RDC m Ω Max | Isat (A) Max | Irms (A) Max |
|--------------------|-----------------|----------------|----------------------------|-------------|--------------|--------------|
| PS100-R56M-RC | .56 | 20 | 100 | 2.0 | 50 | 26 |
| PS100-1R0M-RC | 1.0 | 20 | 100 | 3.0 | 40 | 21 |
| PS100-2R0M-RC | 2.0 | 20 | 100 | 5.7 | 35 | 16 |
| PS100-3R3M-RC | 3.3 | 20 | 100 | 11.5 | 28 | 11 |
| PS100-4R7M-RC | 4.7 | 20 | 100 | 11.5 | 12 | 11 |
| PS100-6R8M-RC | 6.8 | 20 | 100 | 26 | 10 | 7 |

All specifications subject to change without notice.

Features

- SMD Ultra High Current up to 50
- Magnetically Shielded Construction
- Designed for low buzz noise
- Low DC Resistance
- Suitable for pick and place

Electrical

Inductance Range: .56μH to 6.8μH additional values available.

Tolerance: 20% over entire range
Available in tighter tolerances

Test Frequency: 100KHz

Operating Temp: -25°C to +85°C

Temp. Rise: Δ=40°C Typical at rated Irms without without core loss.

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

Inductance drop: 20% 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 ± 5°C

Immersion Time: 10 sec. ± 1 sec.

Test Equipment

(L): WK 4237 Meter

DCR: HK502BS Meter

Isat/Irms: 3260B WK & DC Bias 3265B WK

Physical

Packaging: 400 pieces per 13 inch reel.

Marking: EIA Inductance Code