Shielded Power Inductors – RFS1317

- Low cost, high current power inductors
- 27 µH to 10 mH inductance range

Core material: Ferrite

Terminations: Tin-silver over tin over copper over steel. Other terminations available at additional cost.

Weight: 9.1 – 9.4 g

Ambient temperature: –40°C to +85°C with Irms current

Maximum part temperature: +125°C (ambient + temp rise)

Storage temperature: Component: –40°C to +125°C. Tray packaging: –40°C to +80°C

Moisture Sensitivity Level (MSL): 1 (unlimited floor life at <30°C / 85% relative humidity)

Failures in Time (FIT) / Mean Time Between Failures (MTBF): 38 per billion hours / 26,315,789 hours, calculated per Telcordia SR-332

Packaging: 144 parts per tray


1. When ordering, please specify termination code:

   RFS1317-106L

   Termination: L = Tin-silver over tin over copper over steel.
   Special order: T = RoHS tin-silver-copper (95.5/4/0.5) or S = non-RoHS tin-lead (63/37).

2. Inductance tested at 100 kHz, 0.1 Vrms, 0 Adc on an Agilent/HP 4284A LCR-meter or equivalent.

3. SRF measured using Agilent/HP 4191A or equivalent.

4. DC current that causes the specified inductance drop from its value without current.

5. Current that causes the specified temperature rise from 25°C ambient.

6. Electrical specifications at 25°C.
Shielded Power Inductors – RFS1317 Series

Typical L vs Current

Typical L vs Frequency

Dimensions are in inches mm

Recommended PC Board Layout

Dot indicates pin 1

Inductance (μH)

Current (A)

Frequency (MHz)

US +1-847-639-6400 sales@coilcraft.com
UK +44-1236-730595 sales@coilcraft-europe.com
Taiwan +886-2-2264 3646 sales@coilcraft.com.tw
China +86-21-6218 8074 sales@coilcraft.com.cn
Singapore +65-6484 8412 sales@coilcraft.com.sg

© Coilcraft Inc. 2017
This product may not be used in medical or high risk applications without prior Coilcraft approval.
Specification subject to change without notice.
Please check web site for latest information.