SRP3012CC Series - Shielded Power Inductors

Features
- Shielded construction
- Carbonyl powder core
- High saturation current
- Low radiation
- Low buzz noise
- RoHS compliant* and halogen free**

SRP3012CC-R15Y 0.15 30 6 195 9.6 11 10 14
SRP3012CC-R22M 0.22 20 6 170 14 17 8 12
SRP3012CC-R33M 0.33 20 6 150 16 20 7 9.8
SRP3012CC-R47M 0.47 20 6 107 25 30 5 6.5
SRP3012CC-1R0M 1.0 20 10 65 50 60 3.3 5.2
SRP3012CC-1R5M 1.5 20 10 55 71 85 3 4
SRP3012CC-2R2M 2.2 20 10 45 98 115 2.7 3.2
SRP3012CC-3R3M 3.3 20 6 40 172 198 2 2.6
SRP3012CC-4R7M 4.7 20 10 35 245 282 1.6 2.3
SRP3012CC-5R6M 5.6 20 5 32 310 360 1.5 2
SRP3012CC-6R8M 6.8 20 10 29 360 400 1.4 1.8
SRP3012CC-8R2M 8.2 20 10 26 420 463 1.2 1.5
SRP3012CC-100M 10 20 10 23 450 520 1.1 1.4

Additional Information
Click these links for more information:
PRODUCT SELECTOR
TECHNICAL LIBRARY
INVENTORY SAMPLES CONTACT

General Specifications
- Operating Temperature: -40 °C to +125 °C (Temperature rise included)
- Storage Temperature (Component): -40 °C to +125 °C
- Temperature Rise: 40 °C at rated Irms
- Rated Current
- Inductance drops 30 % at Isat
- Moisture Sensitivity Level: 1
- ESD Classification (HBM): N/A

Materials
Core: Carbonyl powder
Wire: Enameled copper
Terminal Finish: Sn
Packaging: 4000 pcs. per 13-inch reel

Soldering Profile

WARNING Cancer and Reproductive Harm
www.P65Warnings.ca.gov

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**Product Dimensions**

- **TOP VIEW**
  - 3.5 ± 0.2 (1.38 ± .008)
  - 3.2 ± 0.2 (1.26 ± .008)

- **SIDE VIEW**
  - 1.0 ± 0.2 (0.39 ± .008)

- **BOTTOM VIEW**
  - 0.7 ± 0.2 (0.028 ± .008)
  - 1.2 ± 0.2 (0.047 ± .008)

**Recommended Layout**

- **DIMENSIONS: MM**
  - 4.10 (1.611)
  - 1.90 (0.75)
  - 1.45 (0.057)

**Electrical Schematic**

**How to Order**

- **Model**
  - SRP3012CC - R15Y

- **Value Code (see table)**

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L vs. IDC and Temperature vs. IDC Curves

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Packaging Specifications

Dimensions (MM):
- 2.0 ± 0.5 (0.078 ± 0.020)
- 330 (13.00)
- 12.4 ± 0.2 (0.488 ± 0.079)
- 13 ± 0.2 (0.512 ± 0.008)
- 100 ± 2 (3.937 ± 0.079)
- 12.4 ± 0.2 (0.488 ± 0.079)
- 330 (13.00)

Dimensions (INCHES):
- 2.0 (0.078)
- 8.0 ± 0.1 (0.315 ± 0.004)
- 4.0 (0.157)
- 15 ± 0.1 (0.591 ± 0.004)

User Direction of Feed
QTY: 4000 PCS. PER REEL

Cover Tape
Embossed Carrier

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EMEA: Tel: +36 88 885 877 • Email: eurocus@bourns.com
The Americas: Tel: +1-951 781-5500 • Email: americus@bourns.com
www.bourns.com

REV. 07/23
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