Features
- Semi-shielded construction
- Inductance range: 0.90 to 100 µH
- Rated current up to 4.6 A
- RoHS compliant* and halogen free**

Applications
- DC/DC converters
- Notebook computers
- Digital video cameras
- HDDs
- Cellphones
- Televisions, LCD displays

SRN6028 Series - Semi-shielded Power Inductors

Electrical Specifications @ 25 °C

<table>
<thead>
<tr>
<th>Bourns Part No.</th>
<th>Inductance @ 100 KHz / 1 V</th>
<th>Q</th>
<th>Test Freq. (MHz)</th>
<th>SRF (MHz) Typ.</th>
<th>DCR (Ω) Max.</th>
<th>Irms (A)</th>
<th>Isat (A)</th>
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General Specifications

Operating Temperature
-40 °C to +125 °C (Temperature rise included)
Storage Temperature
-10 °C to +40 °C
Resistance to Solder Heat
+260 °C for 10 sec.
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: Ferrite
Wire: Enameled copper
Terminal Finish: Sn/Ag/Cu
Coating: Magnetic epoxy resin
Packaging: 1000 pcs. per 13-inch reel

Product Dimensions

How to Order
SRN6028 - 4R7M
Model: SRN6028
Value Code: 4R7M

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

** Bourns considers a product to be “halogen free” if (a) the Bromine (Br) content is 900 ppm or less; (b) the Chlorine (Cl) content is 900 ppm or less; and (c) the total Bromine (Br) and Chlorine (Cl) content is 1500 ppm or less.
**SRN6028 Series - Semi-shielded Power Inductors**

### Packaging Specifications

- **Dimensions:**
  - DIA.: 2.5 ± 0.5 (0.098 ± 0.020)
  - 13.5 ± 0.5 (0.531 ± 0.020)
  - 2.3 ± 0.5 (0.091 ± 0.020)
  - 13.0 ± 0.5 (0.512 ± 0.020)
  - 100 ± 1.0 (3.937 ± 0.039)
  - 330.0 ± 1.0 (12.992 ± 0.039)

- **User Direction of Feed:**
  - 1,000 PCS. PER REEL

- **MIN.** and **MAX.** values are provided for various dimensions.

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REV. 09/17

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