Features

- Shielded construction
- Metal alloy powder core
- High saturation current
- Inductance range 1 to 100 µH
- AEC-Q200 compliant
- RoHS compliant* and halogen free**

SRP2313AA Series - Shielded Power Inductors

Electrical Specifications @ 25 °C

<table>
<thead>
<tr>
<th>Bourns Part Number</th>
<th>Inductance @ 100 kHz / 1 V</th>
<th>Q (Min.) @ 100 kHz / 1 V</th>
<th>SRF (MHz) Typ.</th>
<th>DCR (mΩ) Typ.</th>
<th>DCR (mΩ) Max.</th>
<th>Irms (A) Typ.</th>
<th>Isat (A) Typ.</th>
<th>Terminal Type</th>
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<td>SRP2313AA-1R0M</td>
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<td>60</td>
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How to Order

Model ____________ Value Code (see table)

SRP2313AA - 100M

Recommended Layout

DIMENSIONS: MM (INCHES)

Electrical Schematic

How to Order

SRP2313AA - 100M

Recommended Layout

DIMENSIONS: MM (INCHES)

General Specifications

Operating Temperature

-55 °C to +155 °C (Temperature rise included)

Storage Temperature (Component)

-55 °C to +155 °C

Rated Current

...Inductance drops 30 % at Isat

Temperature Rise ...40 °C at rated Irms1

Moisture Sensitivity Level .....................1

ESD Classification (HBM).................. N/A

1 Circuit design, component, PCB trace size and thickness, airflow and other cooling provisions all affect the part temperature. Part temperature should be verified in the end application.

Materials

Core.........................Metal alloy powder core
Wire .....................Enamelled copper core
Terminal Finish .........................Sn
Packaging.............80 pcs. per 13-inch reel

Industry-Leading Quality

RoHS compliant* and halogen free**

** 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.

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

Bourns - It's all about performance.
SRP2313AA Series - Shielded Power Inductors

L vs. I Charts

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