Features
■ Shielded construction
■ Metal alloy powder core
■ High saturation current
■ Flat wire
■ AEC-Q200 compliant
■ RoHS compliant* and halogen free**

SRP6030CA Series – Shielded Power Inductors

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 .................20 or 40 °C at rated Irms 1

MSL ......................................................1
................. N/A

Note 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.

Core..........................Metal alloy powder
Wire............................Enameled copper
Terminal Finish ...................................Sn
Packaging ..... 1000 pcs. per 13-inch reel

Materials
Core…………………..Metal alloy powder
Wire…………………………Enameled copper
Terminal Finish …………………...Sn

Recommended Layout

How to Order
Model ________________
Value Code (see table) ________________

SRP6030CA - 1R2M

Schematic

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………………20 or 40 °C
at rated Irms 1

MSL ……………………...1
ESD Classification (HBM)………... N/A

Note 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.

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

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Soldering Profile

PRE-HEATING

TP (260 °C / 10 seconds max.)

SOLDERING

NATURAL COOLING

Time (Seconds)

Temperature (°C)

TP (245 °C / 20-40 seconds)

60 - 150 seconds

60 - 180 seconds

480 seconds max.

REFLOW TIMES: 3 MAX.

NOTE: 0.15 mm thick solder paste recommended.

L vs. I Charts
SRP6030CA Series – Shielded Power Inductors

Specifications

DIMENSIONS: MM (INCHES)

QTY: 1,000 PCS PER REEL

06/18

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