Features

- High current capability
- Low inductance
- Radial leads
- Low ohmic

Applications

- Power supplies
- UPS
- Motor drives

PWR4412-2S Series Bare Metal Element Resistor

General Information

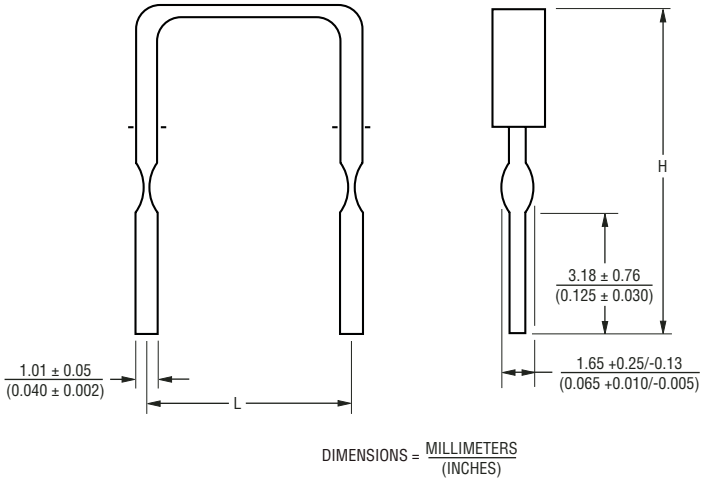
The Bourns® PWR4412-2SB Series is a through hole resistor designed for current shunt and current sensing applications such as power supplies of different kinds, motor drives and many other applications. The resistor is quite rugged, consisting of a special metal alloy welded to tinned copper leads.

Electrical Specifications

Resistance Value .....0.005 Ω min.
0.1 Ω max.
Power Rating @ 85 °C
Version B .....1.0 W
Version C .....3.0 W
Version D .....5.0 W
Tolerance.....1 %*
Temperature Coefficient (TCR)
-65 °C<T<170 °C.....±20 PPM/°C
Operating Temperature ....-40 to +125 °C
Inductance.....10 nH
Packaging .....250 pcs./bag

*Tolerance of 5 % also available
(see How to Order section)

Product Dimensions



Version	L	H
B	11.43 +1.02/-0.51 (0.450 + 0.040/-0.0200	5.08 ± 2.54 (0.200 ± 0.100)
C	15.24 +1.02/-0.51 0.600 + 0.040/-0.020)	25.4 (1.0) MAX.
D	20.32 +1.02/-0.51 0.800 + 0.040/-0.020)	25.4 (1.0) MAX.

How To Order

PWR4412 - 2SB R0300 J

Model
Version
Resistance Value (4 digits)
Absolute Tolerance
J = 5 %
F = 1 %

BOURNS®
Reliable Electronic Solutions

Asia-Pacific:
Tel: +886-2 2562-4117
Fax: +886-2 2562-4116
Europe:
Tel: +41-41 768 5555
Fax: +41-41 768 5510
The Americas:
Tel: +1-951 781-5500
Fax: +1-951 781-5700
www.bourns.com

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*RoHS Directive 2002/95/EC Jan 27 2003, including Annex
Specifications are subject to change without notice.
Customers should verify actual device performance in their specific applications.