



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

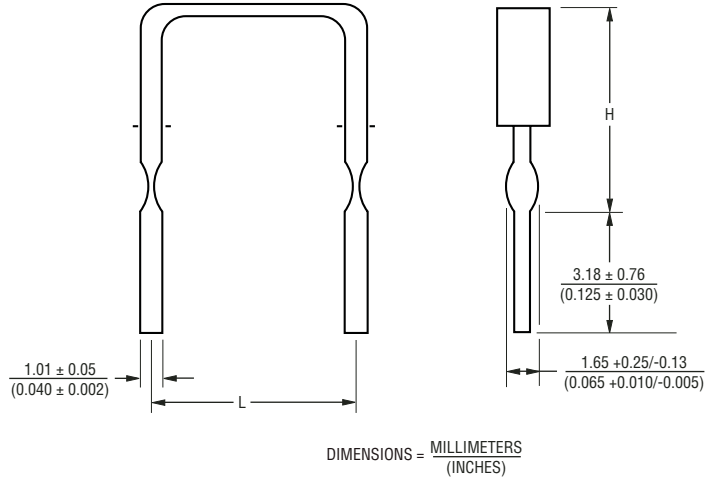
Operating Temperature -40 to +125 °C

Inductance 10 nH

Packaging 250 pcs./bag

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

Product Dimensions



| Version | L | H |
|---------|--|---|
| B | $\frac{11.43 + 1.02 / -0.51}{(0.450 + 0.040 / -0.0200)}$ | $\frac{5.08 \pm 2.54}{(0.200 \pm 0.100)}$ |
| C | $\frac{15.24 + 1.02 / -0.51}{0.600 + 0.040 / -0.020}$ | $\frac{25.4}{(1.0)}$ MAX. |
| D | $\frac{20.32 + 1.02 / -0.51}{0.800 + 0.040 / -0.020}$ | $\frac{25.4}{(1.0)}$ MAX. |

How To Order

PWR4412 - 2SB R0300 J

Model _____

Version _____

Resistance Value for All Tolerances _____
 "R" represents decimal point (examples: R0050 = 5 milliohms; R1000 = 100 milliohms)

Absolute Tolerance _____
 J = 5 %
 F = 1 %



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