

Features

- High current capability
- Low inductance (less than 10 nH)
- Radial leads
- Low ohmic



PWR4412-2S Series Bare Metal Element Resistor

General Information

The Bourns® PWR4412-2S 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.

Performance

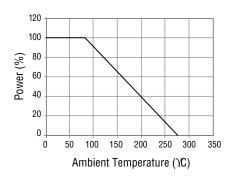
 ΔR Load Life (1000 Hours @ 70 °C) ... 2.5 % Moisture No Load 100 Hours 1 % Temperature Cycling (-40 °C to +125 °C, 1000 Cycles)...1 %

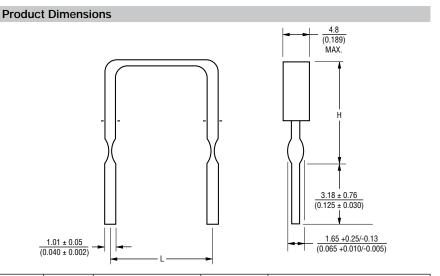
Electrical Specifications

Power Rating @ 85 °C1, 3, 5 W (see matrix) Resistance Range 0.005 to 0.1 ohms Tolerances Available......1 %, 5 % Temperature Range-55 ° to +270 °C Maximum Working Voltage.....√P*R Short Time Overload

...... 5 x Rated Power for 5 seconds Temperature Coefficient of Resistance Wire ±20 ppm/°C Packaging......250 pcs./bag

Power Derating Curve





-	Power Rating (W)	Version	Dimension L	Dimension H Max.	Resistance Values
	1	В	11.43 +1.02/-0.51 (0.450 +0.04/-0.02)	7.62 (0.30)	R0050, R0100, R0200, R0250, R0300, R0400, R0500, R1000
	3	С	15.24 +1.02/-0.51 (0.60 +0.04/-0.02)	<u>25.4</u> (1.0)	R0050, R0100, R0150, R0200, R0250, R0300, R0400, R0500, R1000
	5	D	20.32 +1.02/-0.51 (0.80 +0.04/-0.02)	25.4 (1.0)	R0050, R0100, R0150, R0200, R0250, R0300, R0500, R1000

Note: Terminal pins are tin plated copper.

DIMENSIONS:

(INCHES)

How to Order

PWR4412-2S B 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 %



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

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HPCR0402F220RK9 HPCR0402F24K0K9 HPCR0402F27K0K9 HPCR0402F2K00K9 HPCR0402F33K0K9 HPCR0402F430KK9

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HPCR0402F3K90K9 HPCR0402F430RK9 HPCR0402F43K0K9 HPCR0402F475KK9 HPCR0402F47K0K9 HPCR0402F51K0K9

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