

Features

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

Applications

- Power supplies
- UPS
- Motor drives

PWR4412-2S Series Bare Metal Element Resistor

General Information

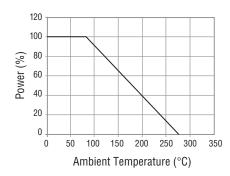
The Bourns® PWR4412-2S Series is a through-hole resistor designed for current shunt and current sensing applications such as power supplies of different kinds, motor drives and many other applications. The resistor is quite rugged, consisting of a special metal alloy welded to tinned copper leads.

Performance

AR. 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 Derating Curve



Product Dimensions					
	4.8 (0.189) MAX.				
	$\begin{array}{c c} & & & \\ & & & \\ & & & \\ \hline & & & \\ & & & \\ \hline & & & \\ & & & \\ \hline & & & \\ & & & \\ \hline & & & \\ & & & \\ \hline & & & \\ & & & \\ \hline & & & \\ & & & \\ \hline & & \\ \hline & & \\ \hline & & \\ & & \\ \hline & \\ \hline & & \\ \hline & & \\ \hline & \\ \hline & & \\ \hline & \\ \hline & \\$				
$\frac{1.01 \pm 0.05}{(0.040 \pm 0.002)}$	1.65 +0.25/-0.13 (0.065 +0.010/-0.005)				

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)	<u>25.4</u> (1.0)	R0050, R0100, R0150, R0200, R0250, R0300, R0500, R1000

Note: Terminal pins are tin plated copper.

DIMENSIONS:

MM (INCHES)

How to Order

PWR4412-2S B R0300 J

Model

Version

Resistance Value for All Tolerances

"F" represents decimal point (examples: R0050 = 5 milliohms; R1000 = 100 milliohms)

Absolute Tolerance

J = 5 % F = 1 %

BOURNS®

Asia-Pacific: Tel: +886-2 2562-4117 • Fax: +886-2 2562-4116

EMEA: Tel: +36 88 520 390 • Fax: +36 88 520 211

The Americas: Tel: +1-951 781-5500 • Fax: +1-951 781-5700

www.bourns.com

REV. 02/14

^{*}RoHS Directive 2002/95/EC Jan. 27, 2003 including annex and RoHS Recast 2011/65/EU June 8, 2011. Specifications are subject to change without notice.

X-ON Electronics

Largest Supplier of Electrical and Electronic Components

Click to view similar products for Current Sense Resistors - Through Hole category:

Click to view products by Bourns manufacturer:

Other Similar products are found below:

```
CPSL07R1000JB145 SR10-0.015-1% SR20-0.008-1% HPCR0402F12K0K9 HPCR0402F130RK9 HPCR0402F13K0K9

HPCR0402F17K4K9 HPCR0402F180KK9 HPCR0402F180RK9 HPCR0402F1K10K9 HPCR0402F220KK9 HPCR0402F220RK9

HPCR0402F24K0K9 HPCR0402F27K0K9 HPCR0402F2K00K9 HPCR0402F33K0K9 HPCR0402F430KK9 HPCR0402F4K30K9

HPCR0402F4K70K9 HPCR0402F680KK9 HPCR0402F680RK9 HPCR0402F390KK9 HPCR0402F39K0K9 HPCR0402F3K00K9

HPCR0402F560RK9 HPCR0402F2K70K9 HPCR0402F360KK9 HPCR0402F36K0K9 HPCR0402F3K00K9 HPCR0402F3K90K9

HPCR0402F430RK9 HPCR0402F43K0K9 HPCR0402F475KK9 HPCR0402F47K0K9 HPCR0402F51K0K9 HPCR0402F560KK9

HPCR0402F56K0K9 HPCR0402F5K10K9 HPCR0402F5K60K9 HPCR0402F620KK9 HPCR0402F620RK9 HPCR0402F68K0K9

HPCR0402F6K20K9 HPCR0402F6K80K9 HPCR0402F750KK9 HPCR0402F750RK9 HPCR0402F7K50K9 HPCR0402F820KK9

HPCR0402F82K0K9 HPCR0402F910KK9
```