

Features

- Low inductance
- High overload capability
- Wide operating temperature range
- High power
- RoHS compliant*



Applications

- Rectifiers
- Inverter drives
- Switching power supplies

PWR4413 Series Current Sense Resistors

General Information

The Bourns® PWR4413 Series is a through-hole current sense resistor with a high overload capability and a wide operating temperature range.

Performance

(-40 °C to +125 °C, 1000 Cycles)...1 %

Electrical Specifications

......5 x Rated Power for 5 seconds Temperature Coefficient

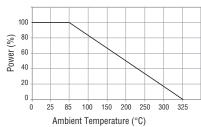
.....±900 ppm/°C to ±60 ppm/°C**
Packaging......250 pcs./bag

Standard Resistance Table

Resistance	Resistance Values			
Code	1 W	3 W	5 W	
R010	0.01	0.01	0.01	
R015	N/A	0.015	N/A	
R020	0.02	0.02	0.02	
R025	0.025	0.025	0.025	
R030	0.03	0.03	0.03	
R040	N/A	0.04	0.04	
R050	0.05	0.05	0.05	
R100		0.1		

Other resistance values available upon request.

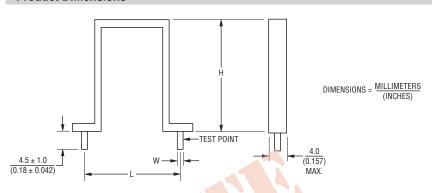
Power Derating Curve



Specifications are subject to change without notice.

The device characteristics and parameters in this data sheet can and do vary in different applications and actual device performance may vary over time. Users should verify actual device performance in their specific applications.

Product Dimensions

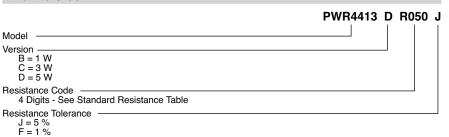


NOTES: Resistance measurement must be made using a 4-wire system and insulated clips attached at the Test Point.

Terminal Pins are Tin-Plated Copper.

Power Rating (W)	Version	Dimension L	Dim. H (Max.)	Dimension W	Resistance Values (Ω)
1_	В	11.43 +1.02/-0.51 (0.450 +0.04/-0.02)	13.5 (0.59)	$\frac{0.8 \pm 0.05}{(0.03 \pm 0.002)}$	0.01 - 0.05
3	С	15.24 +1.02/-0.51 (0.60 +0.04/-0.02)	16.0 (0.63)	$\frac{1.0 \pm 0.05}{(0.04 \pm 0.002)}$	0.01 - 0.1
5	D	20.32 +1.02/-0.51 (0.80 +0.04/-0.02)	26.0 (1.02)	$\frac{1.0 \pm 0.05}{(0.04 \pm 0.002)}$	0.01 - 0.05

How to Order



^{**}Dependent on resistor value.

REV. 12/15
*RoHS Directive 2002/95/EC Jan. 27, 2003 including annex and RoHS Recast 2011/65/EU June 8, 2011.

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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
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