

Features

- Formerly a Riedon[™] product
- \blacksquare Resistances from 0.5 Ω to 1K Ω
- Tolerance 1 % or 5 %
- Power ratings of 20, 30, 40, 60 or 100 watts
- All-welded construction
- Non-inductive windings available
- Flameproof inorganic construction
- RoHS compliant*

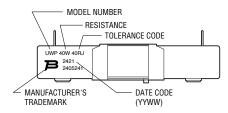
UWP Series – Riedon™ High Power Ceramic Wirewound Resistors by Bourns

How To Order UWP N 60 - 100R J 1 Model Winding (leave blank for standard winding) N = Non-inductive Power Rating 20 = 20 W30 = 30 W40 = 40 W60 = 60 W100 = 100 W Resistance in Ohms -(any value between 0.5 and 1K) Tolerance $F = \pm 1 \%$ $J = \pm 5 \%$ Internal Code

Typical Part Marking

0 to 9

Represents total content. Layout may vary.



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Additional Information

Click these links for more information:











TECHNICAL INVENTORY SAMPLES

General Specifications

Available Power Ratings20 W, 30 W, 40 W, 60 W, 100 W Resistance Range Any value between 0.5 Ω and 1K Ω Tolerances ±1 %, ±5 % (5% standard) Temperature Coefficient±260 PPM/°C max. Temperature Range.... -55 °C to +275 °C Ambient Temperature Range-40 °C to +155 °C Maximum Working Voltage... SQRT(P*R)

Materials

Core:

UWP-20, UWP-30,

UWP-40..... High performance fiberglass UWP-60, UWP-100

...... Centerless ground ceramic Ceramic Housing

......High temperature / inorganic potting compound (non-combustable) Terminations Matte tin over copper

Construction All welded

Environmental Performance

Dielectric±(2 % + 0.05 Ω),
2500 VAC, 60 sec.
Load Life $\pm (5 \% + 0.05 \Omega)$,
for 1000 hours
Moisture Resistance $\pm (5 \% + 0.05 \Omega)$,
40 °C, 90~95 % RH
Thermal Shock $\pm (2 \% + 0.05 \Omega)$,
-40 °C, +20 °C, +125 °C
5X Overload (5 s) \pm (2 % + 0.05 Ω),
rated power \times 5 for 5 sec.
Insulation Resistance $\pm (2 \% + 0.05 \Omega)$,
500 MΩ 500 VDC
Resistance to Soldering Heat
\pm (2 % + 0.05 Ω), 230 °C for 5 sec.

Packaging Specifications

Bulk......100 pcs. per box

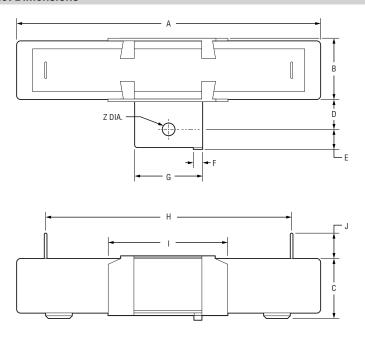


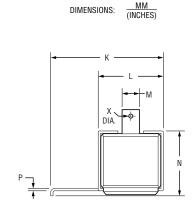
^{*}RoHS Directive 2015/863, Mar 31, 2015 and Annex.

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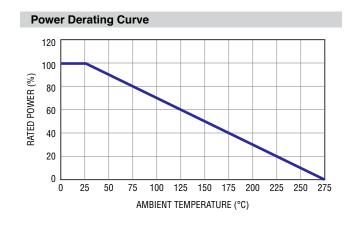
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Product Dimensions





Bourns	Dimensions																
Part Number	Α	В	С	D	E	F	G	Н	I	J	К	L	М	N	Р	Х	Z
UWP-20	<u>60</u> (2.36)	18.5 (.73)	21 (.83)	11.1 (.44)	6.9 (.27)	3 (.12)	18 (.71)	40.2 (1.58)	38 (1.5)	9 (.35)	37.4 (1.47)	<u>20.4</u> (.80)	6.3 (.25)	<u>22.4</u> (.88)	0.7 (.03)	1.6 (.06)	4.7 (.19)
UWP-30	74 (2.91)	19 (.75)	<u>20</u> (.79)	<u>11.1</u> (.44)	6.9 (.27)		18 (.71)	<u>52</u> (2.05)	38 (1.5)	10 (.39)	37.4 (1.47)	19 (.75)		<u>20.7</u> (.81)		1.6 (.06)	
UWP-40	90 (3.54)	18 (.71)	20 (.79)	11.3 (.44)	6.9 (.27)		18 (.71)	<u>69.5</u> (2.74)	38 (1.5)	9 (.35)	37.4 (1.47)	<u>20.4</u> (.80)		<u>20.7</u> (.81)		1.5 (.06)	
UWP-60	90 (3.54)	18 (.71)	20 (.79)	11.3 (.44)	6.9 (.27)		18 (.71)	<u>69.5</u> (2.74)	38 (1.5)	9 (.35)	37.4 (1.47)	<u>20.4</u> (.80)		<u>20.7</u> (.81)		1.5 (.06)	
UWP-100	113 (4.45)	<u>22.7</u> (.89)	<u>22.7</u> (.89)	10.8 (.43)	7.6 (.30)		25 (.98)	91 (3.58)	44.5 (1.75)	9 (.35)	41.1 (1.62)	23.4 (.92)		23.8 (.93)		1.6 (.06)	



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