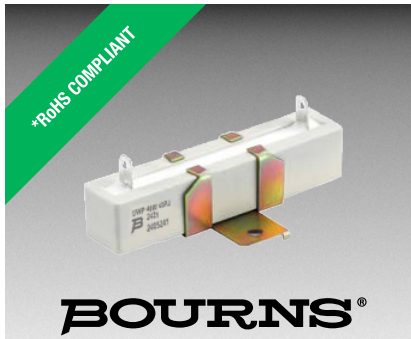




Features

- Formerly a Riedon™ product
- 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 W
30 = 30 W
40 = 40 W
60 = 60 W
100 = 100 W

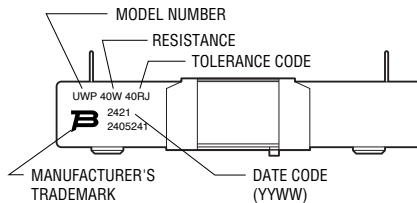
Resistance in Ohms _____
(any value between 0.5 and 1K)

Tolerance _____
F = ± 1 %
J = ± 5 %

Internal Code _____
0 to 9

Typical Part Marking

Represents total content. Layout may vary.



Additional Information

Click these links for more information:



General Specifications

Available Power Ratings
..... 20 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/ $^{\circ}$ C max.

Temperature Range.... -55 $^{\circ}$ C to +275 $^{\circ}$ C

Ambient Temperature Range
..... -40 $^{\circ}$ C to +155 $^{\circ}$ C

Maximum Working Voltage... $\text{SQRT}(P \cdot R)$

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..... $\pm(2 \% + 0.05 \Omega)$,
2500 VAC, 60 sec.

Load Life..... $\pm(5 \% + 0.05 \Omega)$,
for 1000 hours

Moisture Resistance..... $\pm(5 \% + 0.05 \Omega)$,
40 $^{\circ}$ C, 90~95 % RH

Thermal Shock $\pm(2 \% + 0.05 \Omega)$,
-40 $^{\circ}$ C, +20 $^{\circ}$ C, +125 $^{\circ}$ C

5X Overload (5 s) $\pm(2 \% + 0.05 \Omega)$,
rated power $\times 5$ for 5 sec.

Insulation Resistance ... $\pm(2 \% + 0.05 \Omega)$,
500 M Ω 500 VDC

Resistance to Soldering Heat
..... $\pm(2 \% + 0.05 \Omega)$, 230 $^{\circ}$ C for 5 sec.

Packaging Specifications

Bulk..... 100 pcs. per box



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

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

Specifications are subject to change without notice. Users should verify actual device performance in their specific applications. The products described herein and this document are subject to specific legal disclaimers as set forth on the last page of this document, and at www.bourns.com/docs/legal/disclaimer.pdf.

"Bourns" is a registered trademark of Bourns, Inc. in the United States and other countries.

In April 2023, BE Services Company, Inc., a subsidiary of Bourns, Inc., purchased certain assets of Riedon, Inc., including its logo and trademarks and the right to continue to manufacture former Riedon™ products.

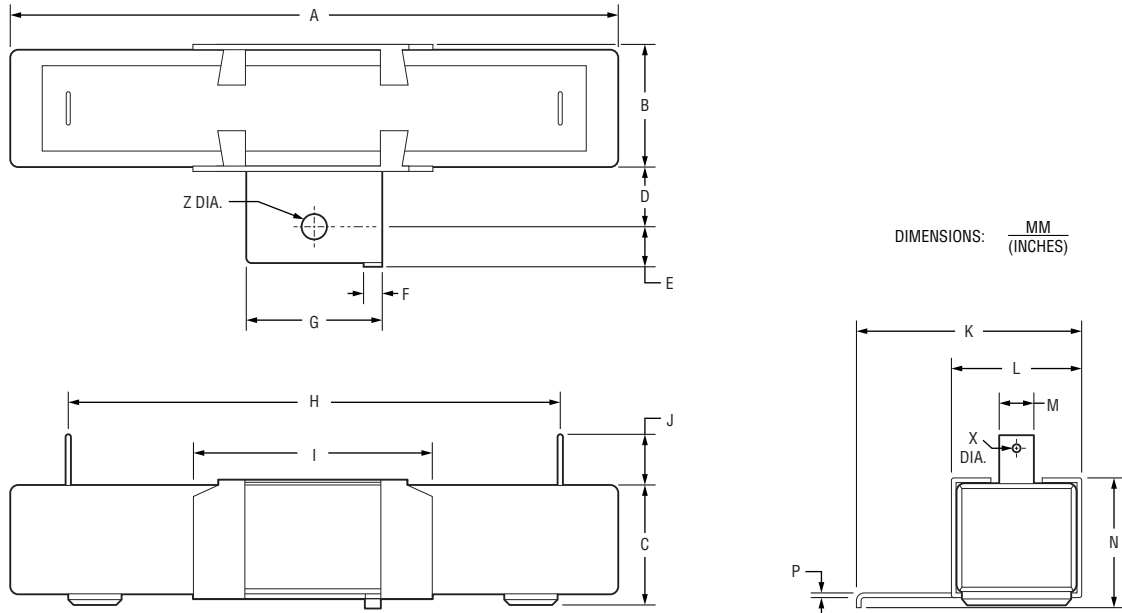
"Riedon Logo" is a registered trademark of BE Services Company, Inc., in the United States.

"Riedon" is a trademark of BE Services Company, Inc.

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

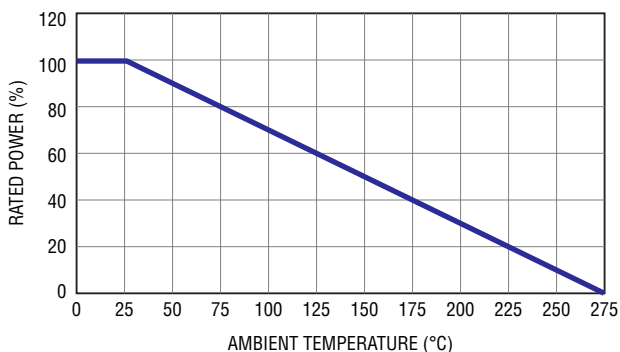
BOURNS®

Product Dimensions



Bourns Part Number	Dimensions																
	A	B	C	D	E	F	G	H	I	J	K	L	M	N	P	X	Z
UWP-20	60 (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)	20.4 (.80)	6.3 (.25)	22.4 (.88)	0.7 (.03)	1.6 (.06)	4.7 (.19)
UWP-30	74 (2.91)	19 (.75)	20 (.79)	11.1 (.44)	6.9 (.27)		18 (.71)	52 (2.05)	38 (1.5)	10 (.39)	37.4 (1.47)	19 (.75)		20.7 (.81)		1.6 (.06)	
UWP-40	90 (3.54)	18 (.71)	20 (.79)	11.3 (.44)	6.9 (.27)		18 (.71)	69.5 (2.74)	38 (1.5)	9 (.35)	37.4 (1.47)	20.4 (.80)		20.7 (.81)		1.5 (.06)	
UWP-60	90 (3.54)	18 (.71)	20 (.79)	11.3 (.44)	6.9 (.27)		18 (.71)	69.5 (2.74)	38 (1.5)	9 (.35)	37.4 (1.47)	20.4 (.80)		20.7 (.81)		1.5 (.06)	
UWP-100	113 (4.45)	22.7 (.89)	22.7 (.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)	

Power Derating Curve



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REV. 11/24

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[RBSF1000R9000KGB1A](#) [RBSF07504R820KGB1A](#) [RBEF0050R3400KFB1A](#) [RBEF01351R150KFB1A](#) [RBEF03002R400KFB1A](#)
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