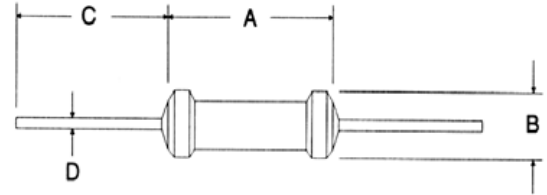


Features:

- Conformal coating
- Flameproof construction
- Cut and formed product is available on select sizes
Contact factory for details
- RoHS compliant / lead-free
- Bulk packaging available – contact Stackpole for package quantities
- Bulk packaging available – contact Stackpole for package quantities



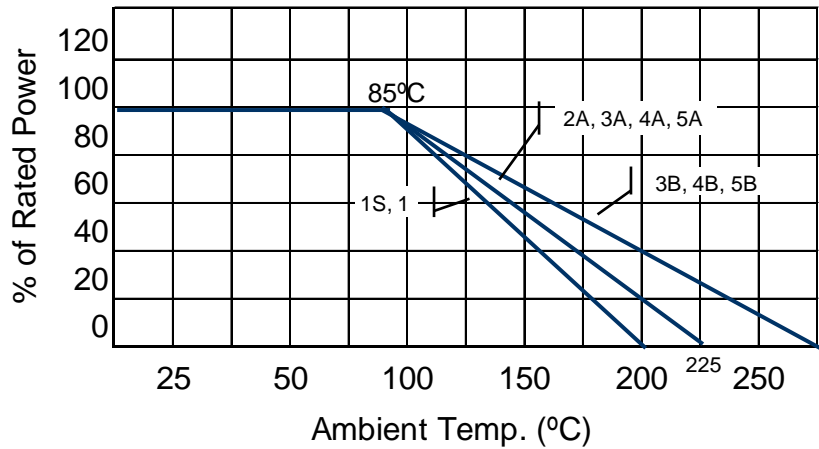
Electrical Specifications						
Type / Code	Size	Power Rating (Watts) @ 25°C	Maximum Working Voltage	Dielectric Withstanding Voltage (RMS)	Resistance Temperature Coefficient	Ohmic Range (Ω) and Tolerance
						5%
WRC1S	0309	1W	√PR	700V	-80 ppm/°C ~ +900 ppm/°C	0.1 - 100
WRC1	0410	1W	√PR	700V	-80 ppm/°C ~ +900 ppm/°C	0.1 - 470
WRC2A	0416	2W				
WRC3A	0416	3W				
WRC4A	0416	4W				
WRC5A	0416	5W				
WRC3B	0617	3W	√PR	700V	-80 ppm/°C ~ +900 ppm/°C	0.1 - 680
WRC4B	0617	4W	√PR	700V	-80 ppm/°C ~ +900 ppm/°C	0.01 - 680
WRC5B	0617	5.5W				

Mechanical Specifications					
Type / Code	A Body Length	B Body Width	C Lead Length (Bulk) (1)	D Lead Diameter	Unit
WRC1S	0.354 max 9.00 max	0.138 max 3.50 max	1.102 ± 0.079 28.00 ± 2.00	0.024 ± 0.002 0.60 ± 0.05	inches mm
WRC1	0.394 max 10.00 max	0.161 max 4.10 max	1.102 ± 0.079 28.00 ± 2.00	0.028 ± 0.002 0.72 ± 0.05	inches mm
WRC2A, WRC3A WRC4A, WRC5A	0.492 max 12.50 max	0.217 max 5.50 max	1.102 ± 0.118 28.00 ± 3.00	0.028 ± 0.002 0.72 ± 0.05	inches mm
WRC3B, WRC4B WRC5B	0.630 max 16.00 max	0.236 max 6.00 max	1.102 ± 0.118 28.00 ± 3.00	0.028 ± 0.002 0.72 ± 0.05	inches mm

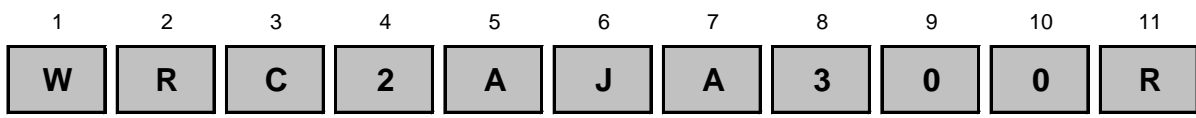
(1) See "Resistor Packaging Specification Document" for lead length dimension for tape and reel packaged product.

Performance Characteristics	
Test	Test Results
Moisture Resistance	± 5% + 0.05Ω
Thermal Shock	± 2% + 0.05Ω
Load Life @ 70°C - 1,000 hrs.	± 5% + 0.05Ω
Shock and Vibration	± 1% + 0.05Ω
Resistance to Soldering Heat	± 2% + 0.05Ω
Short Time Overload	± 3% + 0.05Ω
Operating Temperature Range	-55°C to +250°C

Power Derating Curve:



How to Order



Product Series	
WRC	Standard

Size	Power
1S	1W
1	1W
2A	2W
3A	3W
4A	4W
5A	5W
3B	3W
4B	4W
5B	5.5W

Tolerance	
Code	Tol
J	5%

Packaging			
Code	Description	Size	Quantity
T	Tape & Reel	1S	5,000
		1, 2A, 3A, 4A, 5A	2,000
		3B, 4B, 5B	1,000
A	Ammo	1S, 1	2,000
		2A, 3A, 4A, 5A, 3B, 4B, 5B	1,000

Resistance Value
Four characters with the multiplier used as the decimal holder. "L" used as multiplier of 10 ⁻³ for any value under 0.1 ohm.
0.01 ohm = 10L0
0.1 ohm = R100
1 ohm = 1R00
10 ohm = 10R0

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[CF12JT3M30](#) [RNCP0805FTD1K10](#) [RNCP1206FTD7K50](#) [EWT225JB500R](#) [RNCP0805FTD301R](#) [KIT-RMCF0402FT-03](#) [KIT-](#)
[RNCS0603BKE](#) [EWT225JB2K50](#) [EWT50JB20K0](#) [RMCF2512ZT0R00](#) [RMCF2512FT4K02](#) [EWT225JB30K0](#) [EWT225JB50R0](#)
[EWT100JB1K00](#) [KIT-RMCF0805FT-06](#) [CB5JB5R00](#) [RMCF2010JT33K0](#) [RSF1JTR220](#) [RSMF3JT2K70](#) [RNV14FAL4M70](#) [CFM14JT180R](#)
[EWT225JB2R00](#) [EWT225JB100R](#) [EWT50JB1K00](#) [RSF1JT33K0](#) [CSR0603FKR250](#) [RNCS1206BKE1M00](#) [TR35JBL2R20](#) [KIT-](#)
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