



### Features

- Surface mount wirewound resistor
- High power
- Low temperature coefficient
- RoHS compliant\*
- Non-inductive versions available

### Applications

- Power supplies
- Motor drives
- Electricity metering

## PWR1913/PWR2615/PWR4525/PWR6327 Surface Mount Wirewound Power Resistors

### General Information

The PWR1913/PWR2615/PWR4525/PWR6327 Series are surface mount wirewound resistors offering 0.5, 1, 2 and 3 W power ratings as well as a wide resistance and operating temperature range.

### Electrical Characteristics

Parameter	PWR1913	PWR2615	PWR4525	PWR6327
Resistance Range	0.01 to 400 ohms	0.01 to 3K ohms	0.01 to 15K ohms	0.01 to 25K ohms
Resistance Range (Non-Inductive Version)	Not Available	0.01 to 1.5K ohms	0.01 to 7.5K ohms	0.01 to 12.5K ohms
Power Rating @ 70 °C	0.5 W	1 W	2 W	3 W
Maximum Working Voltage	33 V	58 V	173 V	273 V
Absolute Tolerance Values	1 % / 5 %			
Temperature Coefficient (TCR) R>10 ohms 1 ohm≤R≤10 ohms R<1 ohm	±20 PPM/°C ±50 PPM/°C ±150 PPM/°C			
Operating Temperature	-55 to +275 °C			
Insulation Resistance	>1000 megohms			
Dielectric Strength	1000 VAC			

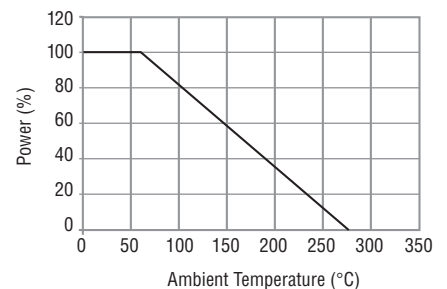
### Environmental Characteristics

Tests per MIL-STD-202	ΔR Max.
Short Time Overload	0.5 % ±0.05 Ω
Load Life	1.0 % ±0.05 Ω
Moisture Resistance	1.0 % ±0.05 Ω
Thermal Shock	0.5 % ±0.05 Ω
Resistance to Solder Heat	0.25 % ±0.05 Ω
Shock	0.5 % ±0.05 Ω
Vibration	0.5 % ±0.05 Ω

### Physical Characteristics

Flammability .....Conforms to UL94V-0  
 Lead Frame Material .....Copper, tin-plated  
 Body Material .....Epoxy resin

### Characteristic Curve



## BOURNS®

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

**Europe:** Tel: +41-41 768 5555 • Fax: +41-41 768 5510

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

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\*RoHS Directive 2002/95/EC Jan 27, 2003 including Annex.  
 Specifications are subject to change without notice.  
 Customers should verify actual device performance in their specific applications.



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