

Features

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

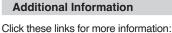
Applications

- Power supplies
- Motor drives
- Electricity metering

PWR2615/PWR4525 Surface Mount Wirewound Power Resistors

General Information

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





Electrical Characteristics

Parameter	PWR2615	PWR4525	
Resistance Range 1 % Based on E24+E96 Series 5 % Based on E24 Series	0.1 to 3K ohms	0.1 to 10K ohms	
Resistance Range (Non-Inductive Versions) Based on E24 Series	0.05 to 400 ohms	0.05 to 1.5K ohms (For resistances >1.5K ohms, please consult factory for availability)	
Power Rating @ 70 °C	1 W	2 W	
Maximum Working Voltage	58 V	173 V	
Absolute Tolerance Values	0.5 % / 1 % / 5 %		
Temperature Coefficient (TCR) $R>10$ ohms1 ohm $\leq R \leq 10$ ohms0.1 ohm $\leq R < 1$ ohm $R<0.1$ ohm	±50 ±90	PPM/°C PPM/°C PPM/°C) PPM/°C	
Operating Temperature	-55 to +275 °C		
Insulation Resistance	>1000 megohms		
Dielectric Strength	1000 VAC		

Physical Characteristics

Flammability Conforms to UL94V-0 Lead Frame Material Copper, tin-plated

Body Material Epoxy resin



*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.

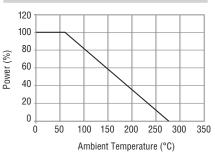
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Environmental Characteristics

Tests per MIL-STD-202	∆ R 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

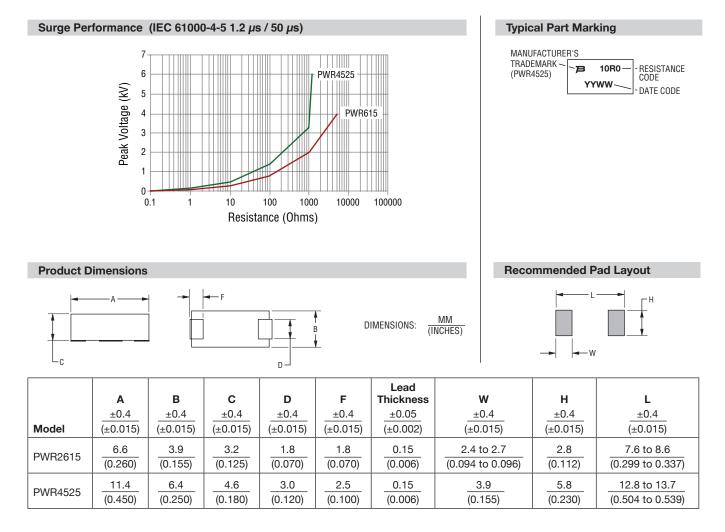
Moisture Sensitivity Level......1 ESD Classification (HBM).....N/A

Characteristic Curve



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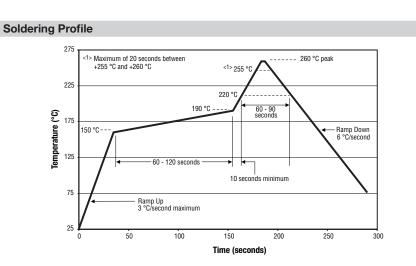


Packaging Specifications

Model	Таре	Pieces per Reel	Bulk Pkg. Quantity
PWR2615	16 mm / Embossed Plastic	2000	250 pcs.
PWR4525	24 mm / Embossed Plastic	1000	250 pcs.

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PWR2615/PWR4525 Surface Mount Wirewound Power Resistors



How to Order	
PWR4525 W 7R50 J	Ē
Model • PWR2615 • PWR4525	
Type W = Wirewound Inductive N = Wirewound Non-Inductive	
Resistor Value for all Tolerances <100 Ω"R" represents decimal	
Packaging = Bulk E = Tape & Reel = Bulk *Tolerances as low as 0.01 % available on resistance values greater than 100 ohms. Consult factory.	

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