

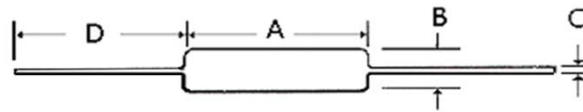
- Features:
- Special materials and processing to maximize surge handling
  - High performance for low cost
  - High power to size ratio
  - Complete welded terminations
  - Tinned copper leads
  - High temperature silicone coating
  - RoHS compliant



Electrical Specifications				
Type / Code	Dielectric Strength (V)	Power Rating (Watts) @ 70°C	Resistance Temperature Coefficient	Ohmic Range(Ω) and Tolerance
				5% & 10% Standard
WWP3	1,000V	3W	$< 1\Omega = \pm 90\text{ppm}/^\circ\text{C}$ $1\Omega \text{ to } 10\Omega = \pm 50\text{ppm}/^\circ\text{C}$ $> 10\Omega = \pm 20\text{ppm}/^\circ\text{C}$	0.1 - 10K
WWP5	1,000V	5W		0.1 - 10K
WWP7	1,000V	7W		0.1 - 10K
WWP10	1,000V	10W		0.1 - 10K

Note: Contact factory for non-inductive designs.

### Mechanical Specifications



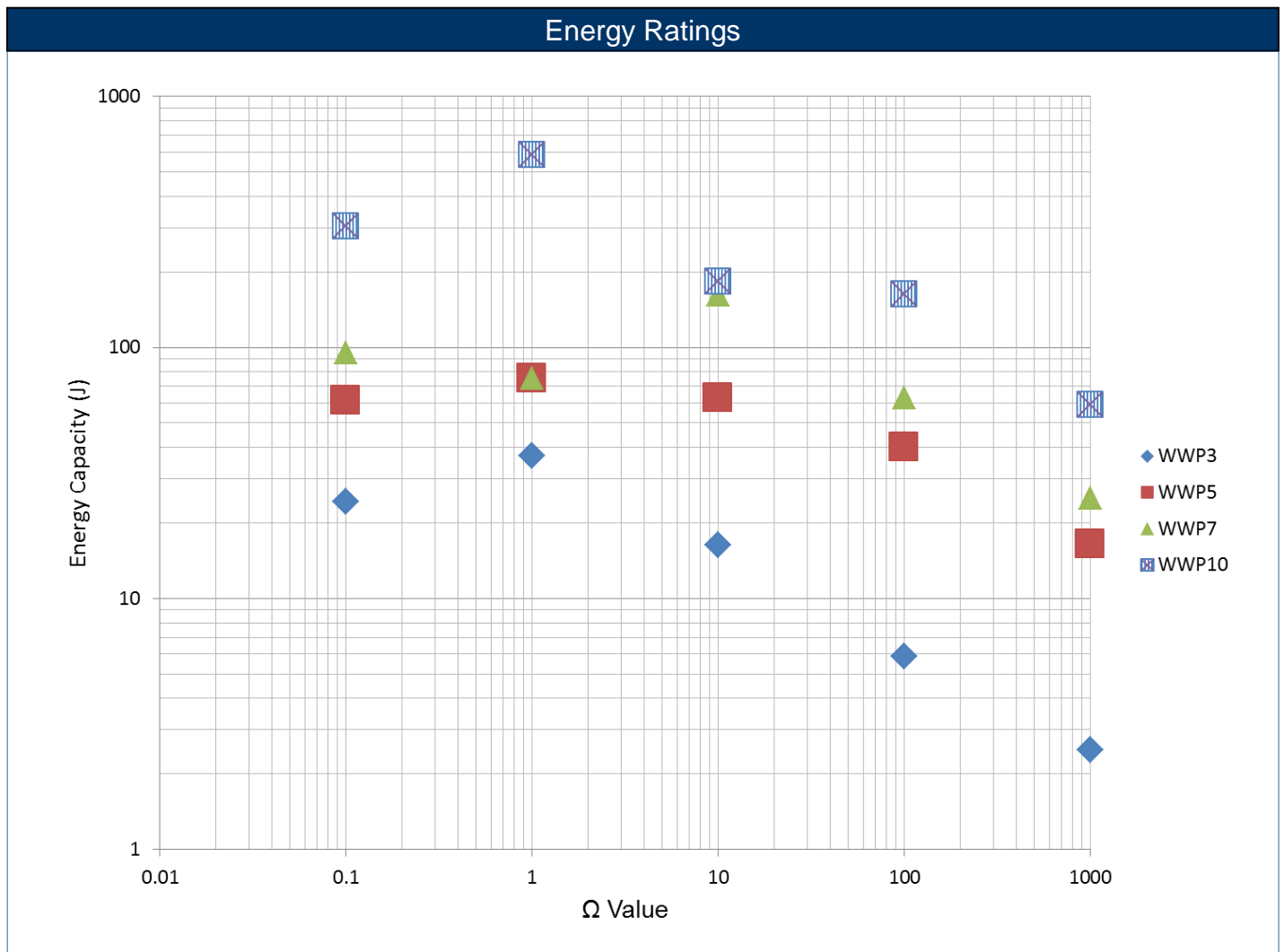
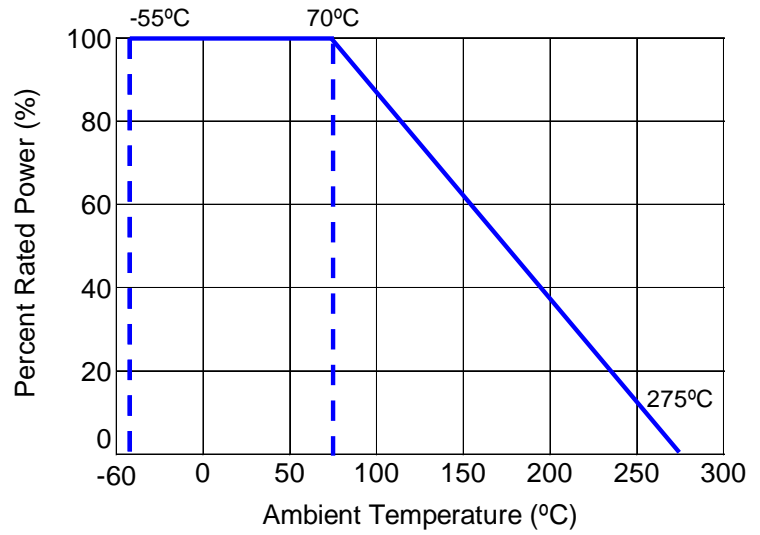
Type / Code	A	B	C	D <sup>(1)</sup> (Bulk)	Units
WWP3	0.560 ± 0.062	0.187 ± 0.031	0.032 ± 0.002	1.500 Typical	inches
	14.22 ± 1.57	4.75 ± 0.79	0.81 ± 0.05	38.10 Typical	mm
WWP5	0.875 ± 0.062	0.312 ± 0.031	0.036 ± 0.002	1.500 Typical	inches
	22.23 ± 1.57	7.92 ± 0.79	0.91 ± 0.05	38.10 Typical	mm
WWP7	1.000 ± 0.062	0.312 ± 0.031	0.036 ± 0.002	1.500 Typical	inches
	25.40 ± 1.57	7.92 ± 0.79	0.91 ± 0.05	38.10 Typical	mm
WWP10	1.780 ± 0.062	0.375 ± 0.031	0.036 ± 0.002	1.500 Typical	inches
	45.21 ± 1.57	9.53 ± 0.79	0.91 ± 0.05	38.10 Typical	mm

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

### Performance Characteristics

Test	Test Specifications
Moisture Resistance	1% max
Load Life	1%
Temperature Cycling	0.5%
Short Time Overload	1%

Power Derating Curve:



### RoHS Compliance

Stackpole Electronics has joined the worldwide effort to reduce the amount of lead in electronic components and to meet the various regulatory requirements now prevalent, such as the European Union’s directive regarding “Restrictions on Hazardous Substances” (RoHS 2). As part of this ongoing program, we periodically update this document with the status regarding the availability of our compliant components. All our standard part numbers are compliant to EU Directive 2011/65/EU of the European Parliament.

RoHS Compliance Status						
Standard Product Series	Description	Package / Termination Type	Standard Series RoHS Compliant	Lead-Free Termination Composition	Lead-Free Mfg. Effective Date (Std Product Series)	Lead-Free Effective Date Code (YY/WW)
WWP	Pulse Withstanding Wirewound Resistor	Axial	YES	100% Matte Sn	Jan-06	06/01

### “Conflict Metals” Commitment

We at Stackpole Electronics, Inc. are joined with our industry in opposing the use of metals mined in the “conflict region” of the Eastern Democratic Republic of the Congo (DRC) in our products. Recognizing that the supply chain for metals used in the electronics industry is very complex, we work closely with our own suppliers to verify to the extent possible that the materials and products we supply do not contain metals sourced from this conflict region. As such, we are in compliance with the requirements of Dodd-Frank Act regarding Conflict Minerals.

### Compliance to “REACH”

We certify that all passive components supplied by Stackpole Electronics, Inc. are SVHC (Substances of Very High Concern) free and compliant with the requirements of EU Directive 1907/2006/EC, “The Registration, Evaluation, Authorization and Restriction of Chemicals”, otherwise referred to as REACH. Contact us for complete list of REACH Substance Candidate List.

### Environmental Policy

It is the policy of Stackpole Electronics, Inc. (SEI) to protect the environment in all localities in which we operate. We continually strive to improve our effect on the environment. We observe all applicable laws and regulations regarding the protection of our environment and all requests related to the environment to which we have agreed. We are committed to the prevention of all forms of pollution.

## How to Order

