

Chipsmall Limited consists of a professional team with an average of over 10 year of expertise in the distribution of electronic components. Based in Hongkong, we have already established firm and mutual-benefit business relationships with customers from, Europe, America and south Asia, supplying obsolete and hard-to-find components to meet their specific needs.

With the principle of "Quality Parts, Customers Priority, Honest Operation, and Considerate Service", our business mainly focus on the distribution of electronic components. Line cards we deal with include Microchip, ALPS, ROHM, Xilinx, Pulse, ON, Everlight and Freescale. Main products comprise IC, Modules, Potentiometer, IC Socket, Relay, Connector. Our parts cover such applications as commercial, industrial, and automotives areas.

We are looking forward to setting up business relationship with you and hope to provide you with the best service and solution. Let us make a better world for our industry!



Contact us

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Resistive Product Solutions

Features:

- High temperature molded encapsulation
- Flex termination for absorbing thermal expansion
- All welded construction
- Non-inductive winding available (contact Stackpole with requirements)
- RoHS compliant / lead-free



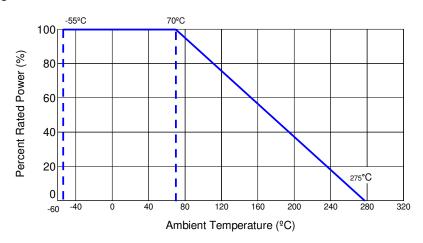
Electrical Specifications											
Type / Code	Power Rating (Watts)	Maximum Working	Dielectric Withstanding	Resistance Temperature	Ohmic Range (Ω) and Tolerance						
	@ 70ºC	Voltage	Voltage	Coefficient	0.1%	0.5%	1%	5%			
				±75 ppm/ºC	-			0.01 - 0.098			
SM2615	1W	25V	>500V	±100 ppm/ºC	5 - 10	3 - 10	1 - 10	0.1 - 10			
				±20 ppm/ºC	10.1 - 400		10.2 - 400	11 - 400			
SM4124	2W	50V	>500V	±75 ppm/°C ±100 ppm/°C ±20 ppm/°C	-		0.05 - 0.098	0.01 - 0.098			
					5 - 10	3 - 10	0.1	- 10			
					10.1 - 1K		10.2 - 1K	11 - 1K			
SM4527	2W	60V	>500V	±75 ppm/ºC		-	0.05 - 0.098	0.01 - 0.098			
				±100 ppm/ºC	5 - 10 3 -10		0.1 - 10				
				±20 ppm/ºC	10.1 - 1K		10.2 - 1K	11 - 1K			
SM4527LP	2W	60V	>500V	±75 ppm/ºC	-		0.01 - 0.05				
SMH4527	3W	60V	>500V	±75 ppm/ºC	-		0.01 - 0.05				
	3W	100V	>500V	±75 ppm/ºC		-		0.05 - 0.098			
SM6227				±100 ppm/ºC	1 -		- 10				
				±20 ppm/ºC	10.1	- 3K	10.2 - 3K	11 - 3K			
SM8035	4W	100V	>500V	±75 ppm/ºC	- 0.05 - 0.0		0.098				
				±100 ppm/ºC	1 - 10		10				
				±20 ppm/ºC	10.1 - 5K		10.2 - 5K	11 - 5K			

Performance Characteristics							
Test	Test Specifications						
Moisture Resistance	±1%						
Thermal Shock	±0.5%						
Load Life @ 70°C - 1,000 hrs.	±1%						
Resistance to Soldering Heat	±1						
Terminal Strength	±0.5%						
Dielectric Withstanding Voltage	±0.001% / V						
Short Time Overload	±0.2%						

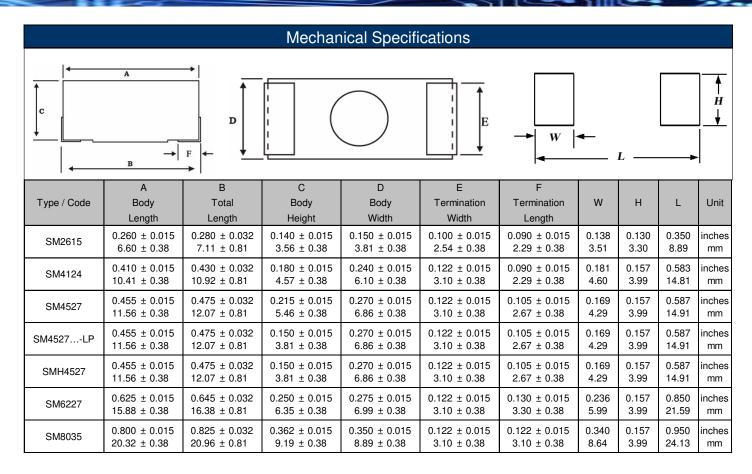
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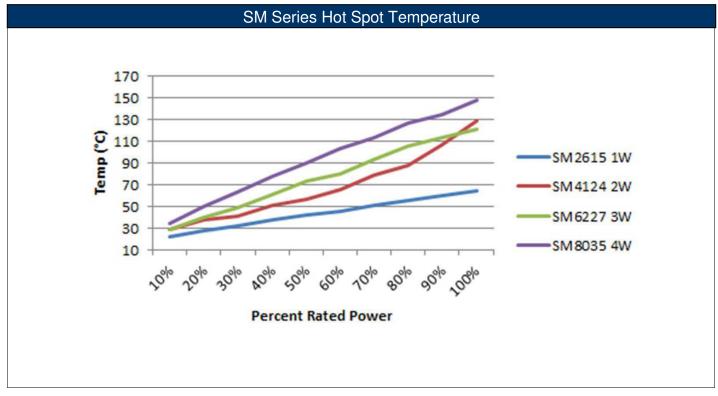
Operating Temperature Range: -55°C to +275°C

Power Derating Curve:



Resistive Product Solutions





Surface Mount Wirewound Resistor

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)					
SM	Surface Mount - General Purpose and Precision Wirewound Resistor	SMD	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 Easter 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.

Stackpole Electronics, Inc.

Surface Mount Wirewound Resistor

Resistive Product Solutions

