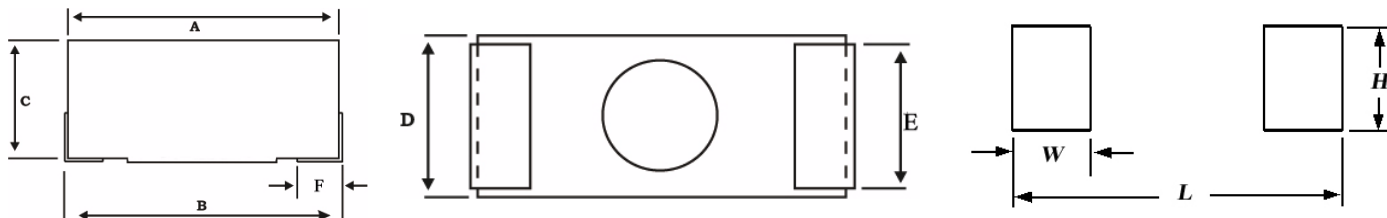


- Features:
- High temperature molded encapsulation
  - Flex termination for absorbing thermal expansion
  - All welded construction
  - Non-inductive types available as NSM
  - RoHS compliant / lead-free



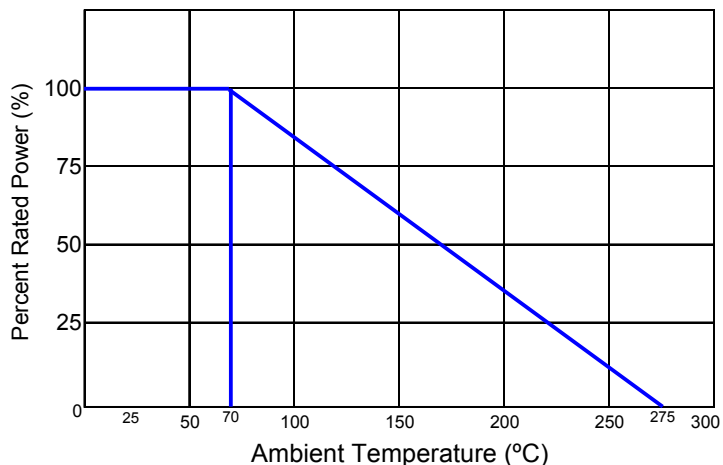
Electrical Specifications					
Type / Code	Power Rating (Watts) @ 70°C	Maximum Working Voltage	Dielectric Withstanding Voltage	Resistance Temperature Coefficient	Ohmic Range (Ω) and Tolerance
					0.1%, 0.5%, 1%, 5%
SM2615	1W	25V	>500V	±100 ppm/°C ± 20 ppm/°C	0.01 - 10(1) 10.2 - 1K
SM4124	2W	50V	>500V	±100 ppm/°C ± 20 ppm/°C	0.01 - 10(1) 10.2 - 2K
SM4527	2W	60V	>500V	±75 ppm/°C	0.01 - 0.06(1)
SMH4527	3W	60V	>500V	±75 ppm/°C	0.01 - 0.06(1)
SM6227	3W	100V	>500V	±100 ppm/°C ± 20 ppm/°C	0.01 - 10(1) 10.2 - 3.01K
SM8035	4W	100V	>500V	±100 ppm/°C ± 20 ppm/°C	0.01 - 10(1) 10.2 - 5K

(1) Zero ohm available on all sizes



Mechanical Specifications										
Type / Code	A Body Length	B Total Length	C Body Height	D Body Width	E Termination Width	F Termination Length	W	H	L	Unit
SM2615	0.26 ± 0.015 6.6 ± 0.4	0.28 ± 0.032 7.1 ± 0.81	0.14 ± 0.015 3.6 ± 0.4	0.15 ± 0.015 3.8 ± 0.4	0.1 ± 0.015 2.5 ± 0.4	0.09 ± 0.015 2.3 ± 0.4	0.138 3.5	0.13 3.3	0.35 8.9	inches mm
SM4124	0.41 ± 0.015 10.4 ± 0.4	0.43 ± 0.032 10.9 ± 0.81	0.18 ± 0.015 4.6 ± 0.4	0.24 ± 0.015 6.1 ± 0.4	0.122 ± 0.015 3.1 ± 0.4	0.09 ± 0.015 2.3 ± 0.4	0.181 4.6	0.157 4.0	0.583 14.8	inches mm
SM4527	0.455 ± 0.015 11.6 ± 0.4	0.475 ± 0.032 12.1 ± 0.81	0.15 ± 0.015 3.8 ± 0.4	0.27 ± 0.015 6.9 ± 0.4	0.122 ± 0.015 3.1 ± 0.4	0.105 ± 0.015 2.7 ± 0.4	0.169 4.3	0.157 4.0	0.587 14.9	inches mm
SMH4527	0.455 ± 0.015 11.6 ± 0.4	0.475 ± 0.032 12.1 ± 0.81	0.15 ± 0.015 3.8 ± 0.4	0.27 ± 0.015 6.9 ± 0.4	0.122 ± 0.015 3.1 ± 0.4	0.105 ± 0.015 2.7 ± 0.4	0.169 4.3	0.157 4.0	0.587 14.9	inches mm
SM6227	0.625 ± 0.015 15.9 ± 0.4	0.645 ± 0.032 16.4 ± 0.81	0.25 ± 0.015 6.4 ± 0.4	0.275 ± 0.015 7.0 ± 0.4	0.122 ± 0.015 3.1 ± 0.4	0.13 ± 0.015 3.3 ± 0.4	0.236 6.2	0.157 4.0	0.85 21.6	inches mm
SM8035	0.8 ± 0.015 20.3 ± 0.4	0.825 ± 0.032 21.0 ± 0.81	0.362 ± 0.015 9.2 ± 0.4	0.35 ± 0.015 8.9 ± 0.4	0.122 ± 0.015 3.1 ± 0.4	0.122 ± 0.015 3.1 ± 0.4	0.34 8.6	0.157 4.0	0.95 24.1	inches mm

Power Derating Curve:



Performance Characteristics	
Test	Results
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%

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

**How to Order**

1 2 3 4 5 6 7 8 9 10 11 12

**S M 4 1 2 4 F T 1 K 0 0**

Product Series		Size	Power	Tolerance		Packaging				Resistance Value
Code	Description			Code	Tol	Code	Description	Size	Quantity	
SM	Standard	2615	1W	B	0.1%	T	13" Reel Plastic Tape	2615	1,500	Four characters with the multiplier used as the decimal holder. "L" used as multiplier of 10 <sup>-3</sup> for any value under 0.1 ohm. 0.01 ohm = 10L0 10 Kohm = 10K0 Zero ohm jumper = 0R00
SMH	High Power	4124	2W	D	0.5%			4124	800	
NSM	Non-inductive	(H)4527	3W	F	1%			4527, H4527	1,200	
		6227	3W	J	5%			6227	750	
		8035	4W	Z	Jumper			8035	350	

Legacy Part Number (before January 3, 2011):

SEI Type		Code	Nominal Resistance	Tolerance	Packaging				
SM		2	1K	1%	R				
Type	Description	Code	Size	Tolerance		Types	Qty	Description	Code
SM	Standard	1	2615	0.1%	13" reel plastic tape	SM 1	1,500	R	
SMH	High Power	2	4124	0.5%		SM 2	800		
NSM	Non-inductive	2A	4527	1%		SM 2A, 3A	1,200		
		(H)3A	4527	5%		SM 3	750		
		3	6227			SM4	350		
4	8035								