

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

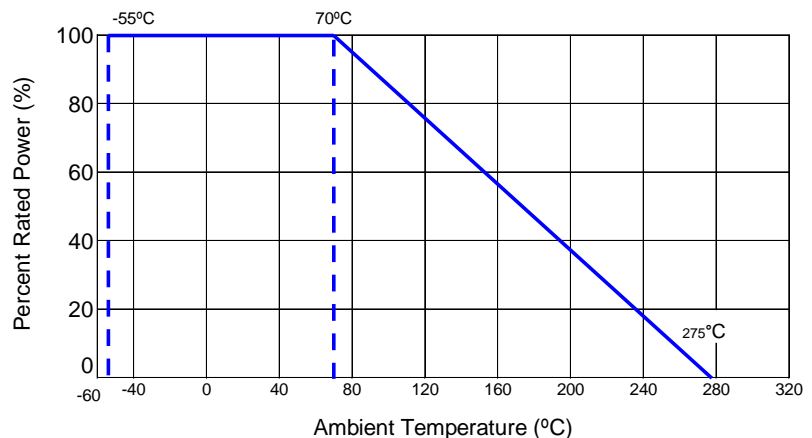


Electrical Specifications								
Type / Code	Power Rating (Watts) @ 70°C	Maximum Working Voltage	Dielectric Withstanding Voltage	Resistance Temperature Coefficient	Ohmic Range (Ω) and Tolerance			
					0.1%	0.5%	1%	5%
SM2615	1W	25V	>500V	±75 ppm/°C ±100 ppm/°C ±20 ppm/°C	-			
					5 - 10	3 - 10	1 -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

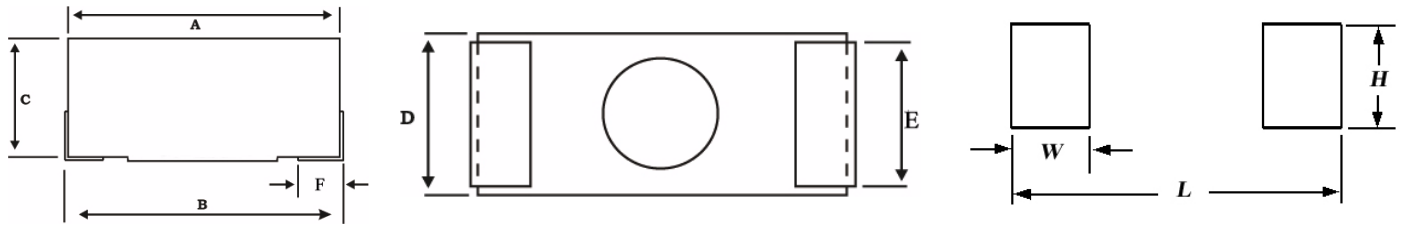
Performance Characteristics	
Test	Results
Moisture Resistance	±1%
Thermal Shock	±0.5%
Load Life @ 70°C - 1,000 hrs.	±1%
Resistance to Soldering Heat	±1
Terminal Strength	±0.5%
Dielectric Withstanding Voltage	±0.001% / V
Short Time Overload	±0.2%

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

Power Derating Curve:

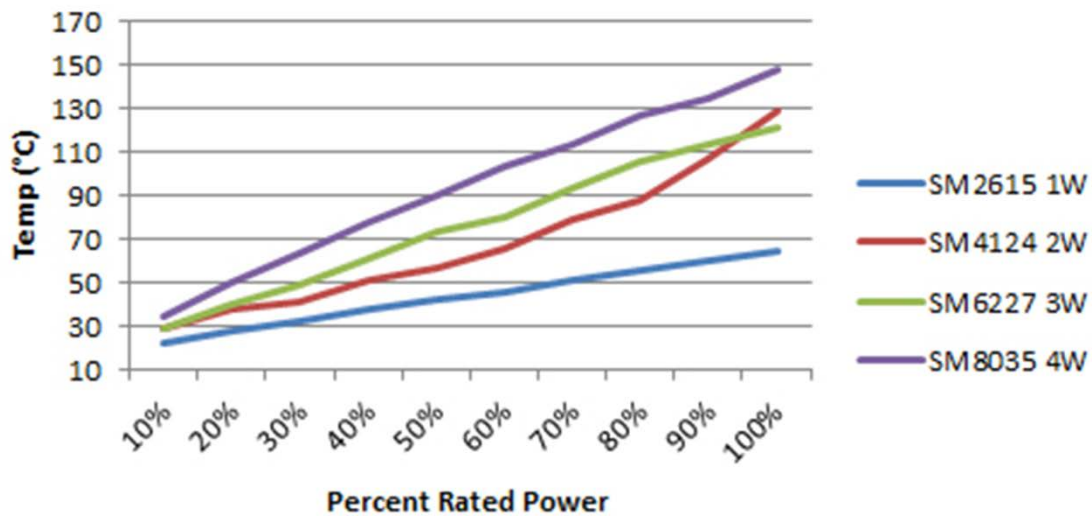


Mechanical Specifications

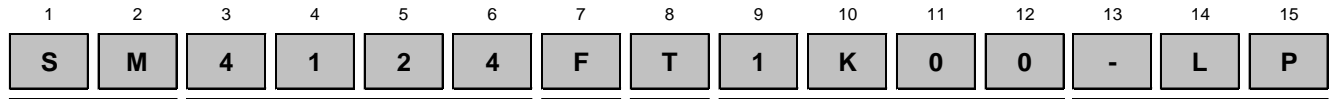


Type / Code	A Body Length	B Total Length	C Body Height	D Body Width	E Termination Width	F Termination Length	W	H	L	Unit
SM2615	0.260 ± 0.015 6.60 ± 0.38	0.280 ± 0.032 7.11 ± 0.81	0.140 ± 0.015 3.56 ± 0.38	0.150 ± 0.015 3.81 ± 0.38	0.100 ± 0.015 2.54 ± 0.38	0.090 ± 0.015 2.29 ± 0.38	0.138 3.51	0.130 3.30	0.350 8.89	inches mm
SM4124	0.410 ± 0.015 10.41 ± 0.38	0.430 ± 0.032 10.92 ± 0.81	0.180 ± 0.015 4.57 ± 0.38	0.240 ± 0.015 6.10 ± 0.38	0.122 ± 0.015 3.10 ± 0.38	0.090 ± 0.015 2.29 ± 0.38	0.181 4.60	0.157 3.99	0.583 14.81	inches mm
SM4527	0.455 ± 0.015 11.56 ± 0.38	0.475 ± 0.032 12.07 ± 0.81	0.215 ± 0.015 5.46 ± 0.38	0.270 ± 0.015 6.86 ± 0.38	0.122 ± 0.015 3.10 ± 0.38	0.105 ± 0.015 2.67 ± 0.38	0.169 4.29	0.157 3.99	0.587 14.91	inches mm
SM4527...-LP	0.455 ± 0.015 11.56 ± 0.38	0.475 ± 0.032 12.07 ± 0.81	0.150 ± 0.015 3.81 ± 0.38	0.270 ± 0.015 6.86 ± 0.38	0.122 ± 0.015 3.10 ± 0.38	0.105 ± 0.015 2.67 ± 0.38	0.169 4.29	0.157 3.99	0.587 14.91	inches mm
SMH4527	0.455 ± 0.015 11.56 ± 0.38	0.475 ± 0.032 12.07 ± 0.81	0.150 ± 0.015 3.81 ± 0.38	0.270 ± 0.015 6.86 ± 0.38	0.122 ± 0.015 3.10 ± 0.38	0.105 ± 0.015 2.67 ± 0.38	0.169 4.29	0.157 3.99	0.587 14.91	inches mm
SM6227	0.625 ± 0.015 15.88 ± 0.38	0.645 ± 0.032 16.38 ± 0.81	0.250 ± 0.015 6.35 ± 0.38	0.275 ± 0.015 6.99 ± 0.38	0.122 ± 0.015 3.10 ± 0.38	0.130 ± 0.015 3.30 ± 0.38	0.236 5.99	0.157 3.99	0.850 21.59	inches mm
SM8035	0.800 ± 0.015 20.32 ± 0.38	0.825 ± 0.032 20.96 ± 0.81	0.362 ± 0.015 9.19 ± 0.38	0.350 ± 0.015 8.89 ± 0.38	0.122 ± 0.015 3.10 ± 0.38	0.122 ± 0.015 3.10 ± 0.38	0.340 8.64	0.157 3.99	0.950 24.13	inches mm

SM Series Hot Spot Temperature



How to Order



Product Series	
SM	Standard
SMH	High Power
NSM	Non-inductive

Size	Power
2615	1W
4124	2W
(H)4527	3W
6227	3W
8035	4W

Tolerance	
Code	Tol
B	0.1%
D	0.5%
F	1%
J	5%

Packaging			
Code	Description	Size	Quantity
T	13" Reel Plastic Tape	2615	1,500
		4527(-LP), H4527	1,200
		4527	900
		4124	800
		6227	750
		8035	350

Resistance Value
Four characters with the multiplier used as the decimal holder. "L" used as multiplier of 10 ⁻³ for any value under 0.1 ohm. 0.01 ohm = 10L0 0.1 ohm = R100 1 Kohm = 1K00

Special	
Code	Description
(blank)	Standard
-LP	Low Profile