

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

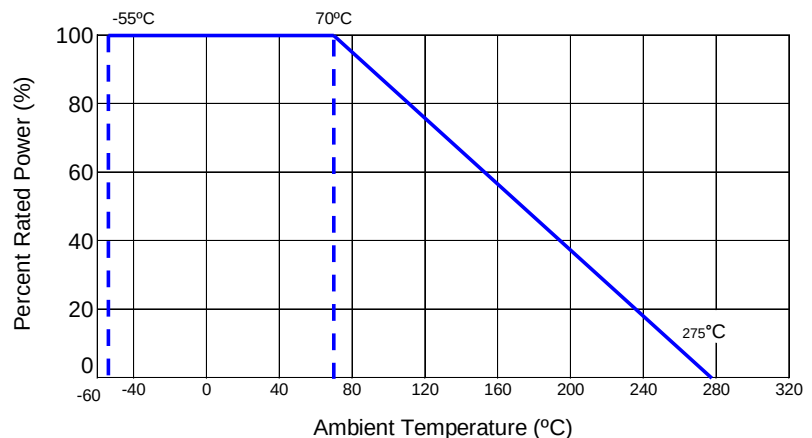


Electrical Specifications								
Type / Code	Power Rating (Watts) @ 70°C	Maximum Working Voltage	Dielectric Withstanding Voltage	Resistance Temperature Coefficient	Ohmic Range (Ω) and Tolerance			
					0.1%	0.5%	1%	5%
SM2615	1W	25V	>500V	±75 ppm/°C	-			0.01 - 0.098
				±100 ppm/°C	5 - 10	3 - 10	1 -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

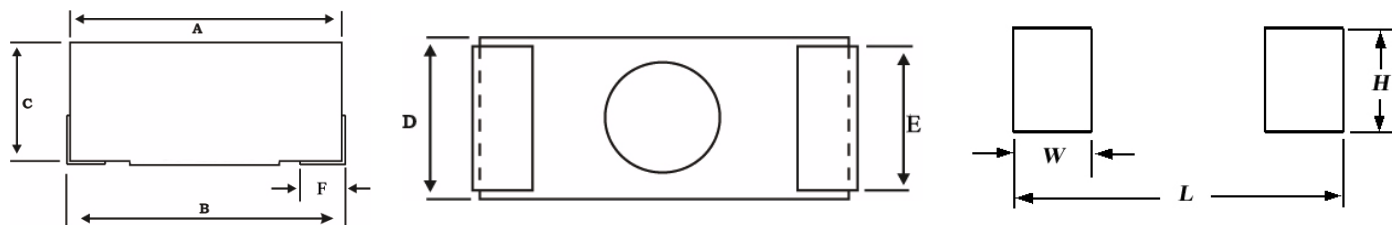
Performance Characteristics	
Test	Results
Moisture Resistance	±1%
Thermal Shock	±0.5%
Load Life @ 70°C - 1,000 hrs.	±1%
Resistance to Soldering Heat	±1
Terminal Strength	±0.5%
Dielectric Withstanding Voltage	±0.001% / V
Short Time Overload	±0.2%

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

Power Derating Curve:

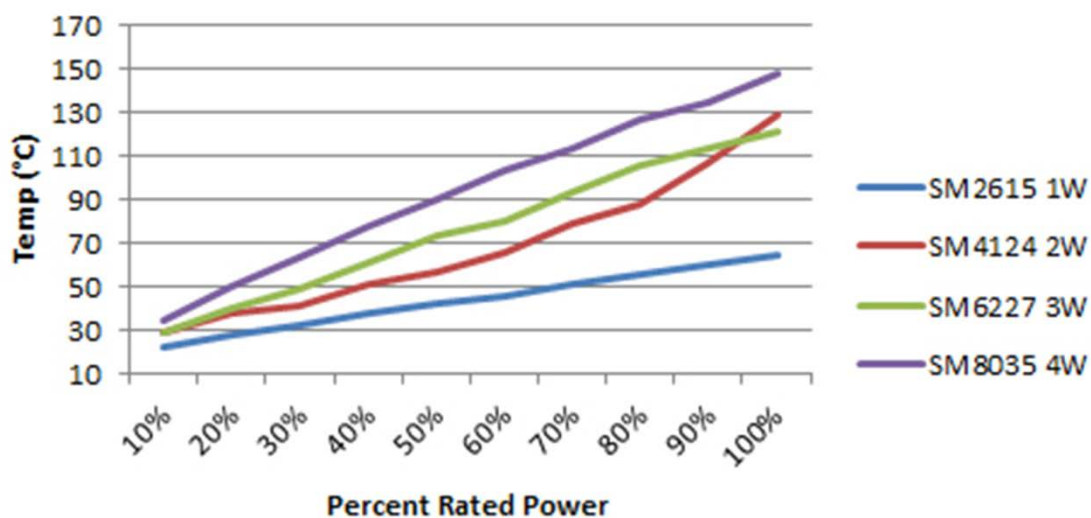


Mechanical Specifications



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	0.180 ± 0.015 4.57 ± 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 0.01Ω - 0.05Ω	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

1	2	3	4	5	6	7	8	9	10	11	12	13	14	15
S	M	4	1	2	4	F	T	1	K	0	0	-	L	P
Product Series		Size	Power	Tolerance		Packaging				Resistance Value			Special	
SM	Standard	2615	1W	Code	Tol	Code	Description	Size	Quantity	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			Code	Description
SMH	High Power	4124	2W	B	0.1%	T	13" Reel Plastic Tape	2615	1,500				(blank)	Standard
NSM	Non-inductive	4527	2W	D	0.5%			4124	800				-LP	Low Profile
		(H)4527	3W	F	1%			4527, H4527	1,200					
		6227	3W	J	5%			6227	750					
		8035	4W					8035	350					