

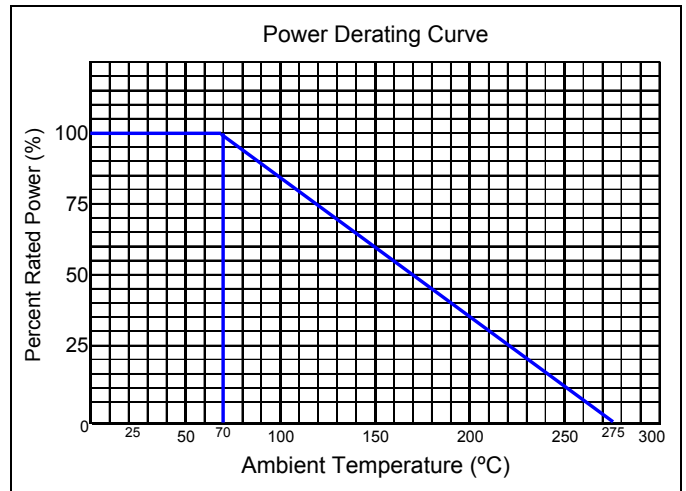
- Features:
- High temperature molded encapsulation
 - Flex termination for absorbing thermal expansion
 - All welded construction
 - Non-inductive types available as NSM
 - RoHS compliant / lead-free



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%
SM 1	1W	25V	>500V	±100 ppm/°C ± 20 ppm/°C	0.01 - 10(1) 10.2 - 1K
SM 2	2W	50V	>500V	±100 ppm/°C ± 20 ppm/°C	0.01 - 10(1) 10.2 - 2K
SM 2A	2W	60V	>500V	±75 ppm/°C	0.01 - 0.06(1)
SM 3A	3W	60V	>500V	±75 ppm/°C	0.01 - 0.06(1)
SM 3	3W	100V	>500V	±100 ppm/°C ± 20 ppm/°C	0.01 - 10(1) 10.2 - 3.01K
SM 4	4W	100V	>500V	±100 ppm/°C ± 20 ppm/°C	0.01 - 10(1) 10.2 - 5K

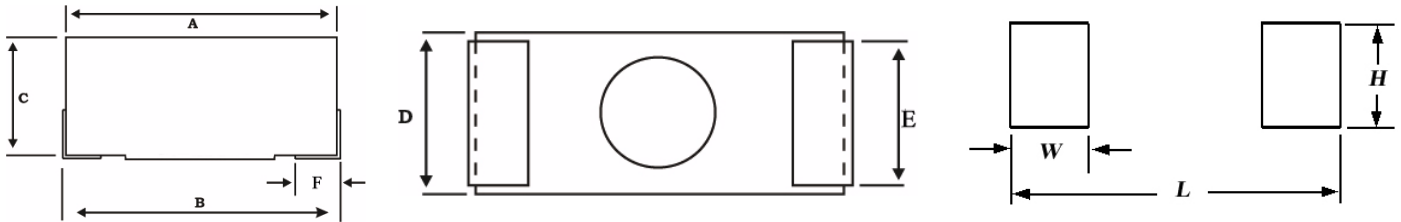
(1) Zero ohm available on all sizes

Power Derating Curve:



How to Order

SEI Type		Code		Nominal Resistance	Tolerance	Packaging			
SM		2		1K	1%	R			
Type	Description	Code	Size	Tolerance		Types	Qty	Description	Code
SM	Standard	1	2815	0.1%		SM 1	1,500	13" Reel	R
NSM	Non-inductive	2	4324	0.5%		SM 2	800		
		2A	4827	1%		SM 2A	1,200		
		3A	4827	5%		SM 3, 3A	750		
		3	6528			SM4	350		
		4	8035						



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	Units
SM 1	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
SM 2	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
SM 2A	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
SM 3A	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
SM 3	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	0.165 4.2	0.85 21.6	inches mm
SM 4	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	0.24 ± 0.015 6.1 ± 0.4	0.123 ± 0.015 3.1 ± 0.4	0.34 8.6	0.19 4.8	0.95 24.1	inches mm

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

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