

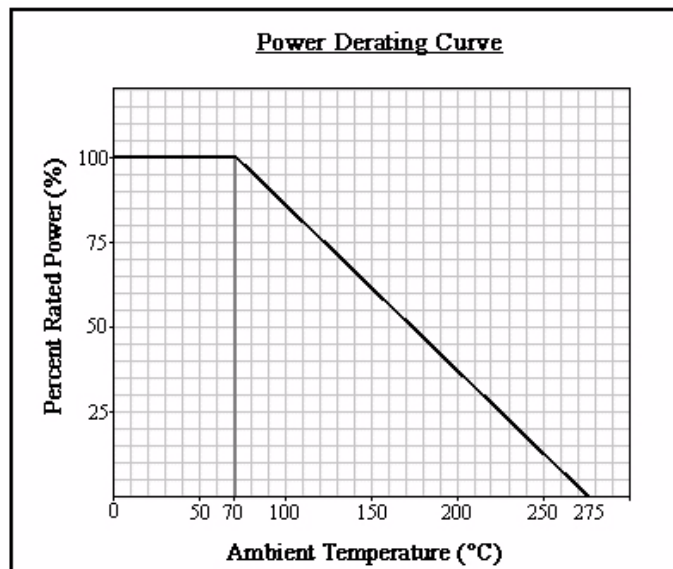
## Features

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

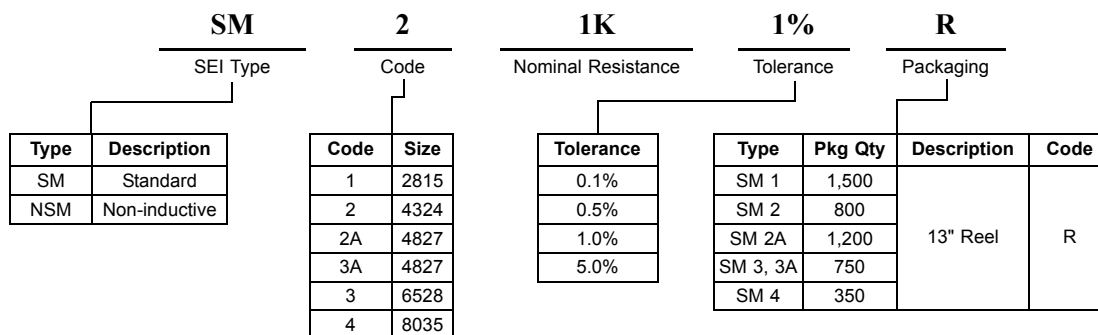


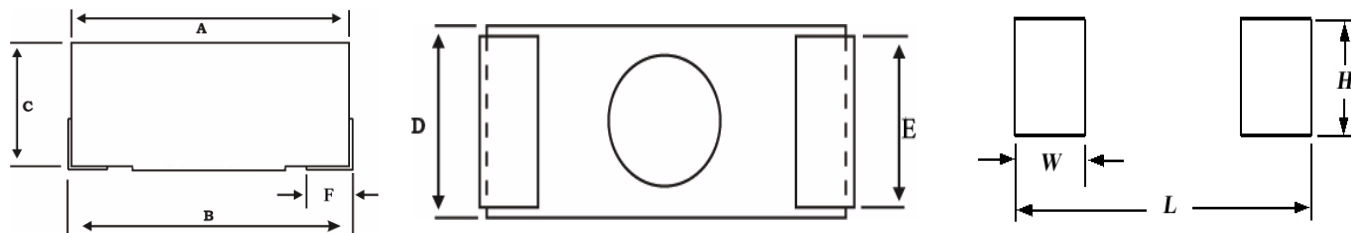
Electrical Specifications				
Type	Power Rating (Watts) @ 70°C	Maximum Working Voltage	Resistance Temperature Coefficient	Ohmic Range and Tolerance
				0.1%, 0.5%, 1% & 5%
SM 1	1W	25V	±100 ppm/°C ± 20 ppm/°C	0.01Ω – 10.0Ω* 10.2Ω – 1.0KΩ
SM 2	2W	50V	±100 ppm/°C ± 20 ppm/°C	0.01Ω – 10.0* 10.2Ω – 2.0KΩ
SM 2A	2W	60V	±75 ppm/°C	0.01Ω – 0.06Ω*
SM 3A	3W	60V	±75 ppm/°C	0.01Ω – 0.06Ω*
SM 3	3W	100V	±100 ppm/°C ± 20 ppm/°C	0.01Ω – 10.0Ω* 10.2Ω – 3.01KΩ
SM 4	4W	100V	±100 ppm/°C ± 20 ppm/°C	0.01Ω – 10.0Ω* 10.2Ω – 5.0KΩ

\* Zero ohm available on all sizes .



## How to Order





## Mechanical Specifications

Type	A Body Length	B Total Length	C Body Height	D Body Width	E Termination Width	F Termination Length	W	H	L	Units
Tolerance	±0.015	±0.032	±0.015	±0.015	±0.015	±0.015	-	-	-	
	±0.4	±0.81	±0.4	±0.4	±0.4	±0.4	-	-	-	
SM 1	0.260 6.6	0.280 7.1	0.140 3.6	0.150 3.8	0.100 2.5	0.090 2.3	0.138 3.5	0.130 3.3	0.350 8.9	inches mm
SM 2	0.410 10.4	0.430 10.9	0.180 4.6	0.240 6.1	0.122 3.1	0.090 2.3	0.181 4.6	0.157 4.0	0.583 14.8	inches mm
SM 2A	0.455 11.6	0.475 12.1	0.150 3.8	0.270 6.9	0.122 3.1	0.105 2.7	0.169 4.3	0.157 4.0	0.587 14.9	inches mm
SM 3A	0.455 11.6	0.475 12.1	0.150 3.8	0.270 6.9	0.122 3.1	0.105 2.7	0.169 4.3	0.157 4.0	0.587 14.9	inches mm
SM 3	0.625 15.9	0.645 16.4	0.250 6.4	0.275 7.0	0.122 3.1	0.130 3.3	0.236 6.2	0.165 4.2	0.850 21.6	inches mm
SM 4	0.800 20.3	0.825 21.0	0.362 9.2	0.350 8.9	0.240 6.1	0.123 3.1	0.340 8.6	0.190 4.8	0.950 24.1	inches mm

## Performance Characteristics

Test	Results
Moisture Resistance	±1.0%
Thermal Shock	± 0.5%
Load Life @70°C – 1,000 hrs.	±1.0%
Shock and Vibration	±1.0%
Resistance to Soldering Heat	±1.0
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