

SM Series — Surface Mount - General Purpose/Precision Wirewound

Features

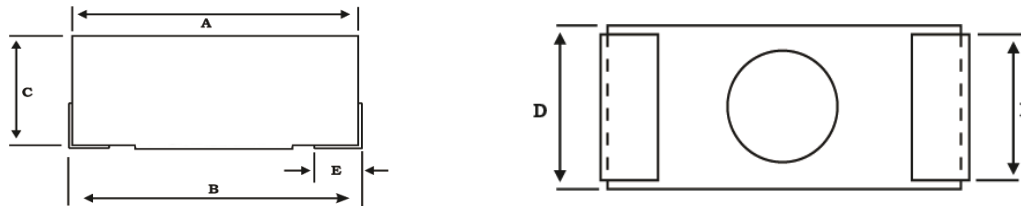
- High temperature molded encapsulation
- Flex termination for absorbing thermal expansion
- All welded construction
- Tinned copper terminals
- Available in non-inductive styles
- RoHS compliant/ lead-free



Electrical Specifications

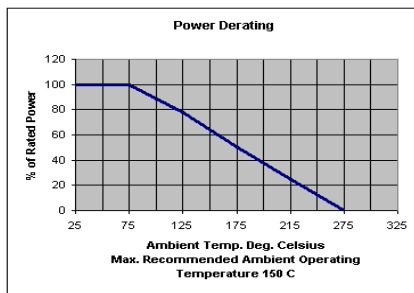
Type	Power Rating (Watts) @ 70°C	Maximum Working Voltage	Resistance Temperature Coefficient	Ohmic Range and Tolerance
				0.1%, 0.5%, 1% & 5%
SM 1	1W	25	±100 ppm/°C ± 20 ppm/°C	0.01Ω – 10Ω* 10Ω – 1K
SM 2	2W	50	±100 ppm/°C ± 20 ppm/°C	0.01Ω – 10Ω* 10Ω – 2K
SM 2A	2W	60	±100 ppm/°C	0.005Ω – 0.976Ω*
SM 3	3W	100	±100 ppm/°C ± 20 ppm/°C	0.01Ω – 10Ω* 10Ω – 3.01K

* Zero ohm available on all sizes .



Mechanical Specifications

Type	A Body Length	B Total Length	C Body Height	D Body Width	E Termination Width	F Termination Length	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	0.090 2.3	0.100 2.5	inches mm
SM 2	0.410 10.4	0.435 11.1	0.180 4.6	0.240 6.1	0.100 2.5	0.115 2.9	inches mm
SM 2A	0.475 12.1	0.500 12.7	0.140 3.6	0.305 7.8	0.110 2.8	0.115 2.9	inches mm
SM 3	0.629 16.0	0.708 18.0	0.256 6.5	0.276 7.0	0.110 2.8	0.115 2.9	inches mm



Performance Characteristics

Test	Maximum Results
Load Life	1% Maximum
Short Time Overload	0.5% Maximum
Temperature Cycling	0.5% Maximum
Moisture Resistance	1% Maximum

How to Order

SM	2	1K	1%	R																																		
SEI Type	Code	Nominal Resistance	Tolerance	Packaging																																		
	<table border="1"> <thead> <tr> <th>Code</th> <th>Size</th> </tr> </thead> <tbody> <tr><td>1</td><td>2815</td></tr> <tr><td>2</td><td>4424</td></tr> <tr><td>2A</td><td>5031</td></tr> <tr><td>3</td><td>7128</td></tr> </tbody> </table>	Code	Size	1	2815	2	4424	2A	5031	3	7128	<table border="1"> <thead> <tr> <th>Tolerance</th> </tr> </thead> <tbody> <tr><td>0.1%</td></tr> <tr><td>0.5%</td></tr> <tr><td>1%</td></tr> <tr><td>5%</td></tr> </tbody> </table>	Tolerance	0.1%	0.5%	1%	5%	<table border="1"> <thead> <tr> <th>Series</th> <th>Code</th> <th>Description</th> <th>Pkg Qty</th> </tr> </thead> <tbody> <tr><td>SM 1</td><td>R</td><td>13" Reel</td><td>1,500</td></tr> <tr><td>SM 2</td><td>R</td><td>13" Reel</td><td>800</td></tr> <tr><td>SM 2A</td><td>R</td><td>13" Reel</td><td>1,200</td></tr> <tr><td>SM 3</td><td>R</td><td>13" Reel</td><td>750</td></tr> </tbody> </table>	Series	Code	Description	Pkg Qty	SM 1	R	13" Reel	1,500	SM 2	R	13" Reel	800	SM 2A	R	13" Reel	1,200	SM 3	R	13" Reel	750
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