

Surface Mount Wirewound Resistor



Features:

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

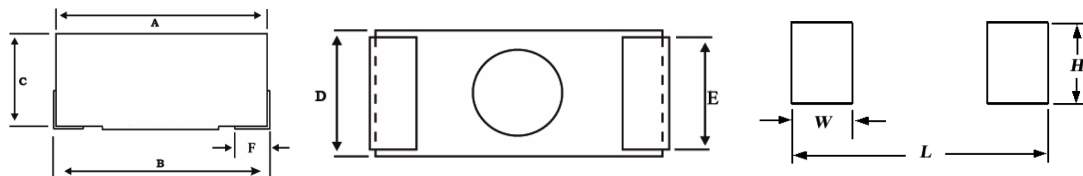
**RoHS
Compliant**

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%
MCSM2615	1W	25V	>500V	± 75ppm/°C ± 100ppm/°C ± 20ppm/°C	- 5 - 10 10.1 - 400	- 3 - 10 10.1 - 400	- 1 - 10 10.2 - 400	0.01 - 0.098 0.1 - 10 11 - 400
MCSM4124	2W	50V			- 5 - 10 10.1 - 1K	- 3 - 10 10.1 - 1K	0.05 - 0.098 0.1 - 10 10.2 - 1K	0.01 - 0.098 0.1 - 10 11 - 1K
MCSM4527	2W	60V		± 75ppm/°C	-	-	0.01 - 0.05	0.01 - 0.05
MCSM6227	3W	100V		± 75ppm/°C ± 100ppm/°C ± 20ppm/°C	- 1 - 10 10.1 - 3K	- 1 - 10 10.1 - 3K	0.05 - 0.098 1 - 10 10.2 - 3K	0.05 - 0.098 1 - 10 11 - 3K
MCSM8035	4W	100V			- 1 - 10 10.1 - 5K	- 1 - 10 10.1 - 5K	0.05 - 0.098 1 - 10 10.2 - 5K	0.05 - 0.098 1 - 10 11 - 5K

Zero ohm available on all sizes

(*) Other resistance values available - contact factory for details



Mechanical Specifications:

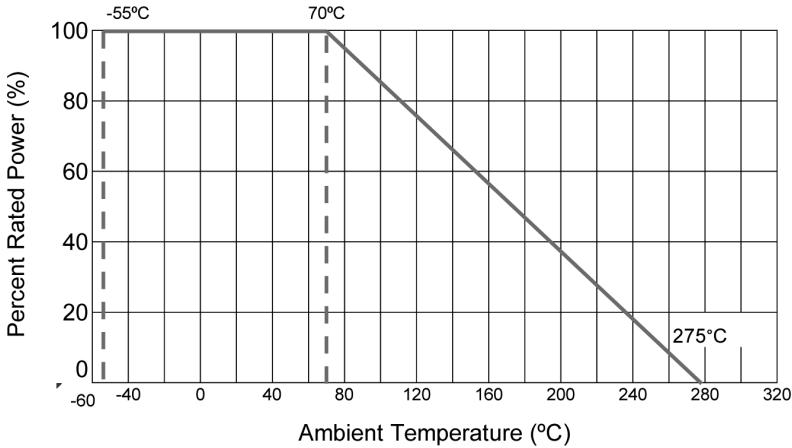
Type / Code	A Body Length	B Total Length	C Body Height	D Body Width	E Termination Width	F Termination Length	W	H	L
MCSM2615	0.260 ± 0.015 6.60 ± 0.38	0.280 ± 0.032 7.11 ± 0.81	0.140 ± 0.015 3.56 ± 0.38	0.150 ± 0.015 3.81 ± 0.38	0.100 ± 0.015 2.54 ± 0.38	0.090 ± 0.015 2.29 ± 0.38	0.138 3.51	0.13 3.3	0.35 8.89
MCSM4124	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 4.6	0.157 3.99	0.583 14.81
MCSM4527(*) 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
MCSM6227	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	0.85 21.59
MCSM8035	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	0.34 8.64	0.157 3.99	0.95 24.13

(*) Dimensions will vary for values >0.05Ω - contact factory for details.

Dimensions : Inches (Millimetres)

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Power Derating Curve:



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

Part Numbering:

MCSM		4124		F	T	1K00				
Product Series		Size	Power	Tolerance		Packaging		Resistance Value		
MCSM	Standard			Code	Tol	Code	Description	Size	Quantity	
		2615	1W	B	0.1%	T	13" Reel Plastic Tape	2615	1,500	Four Characters with the multiplier used as the decimal holder. "L" used as multiplier of 10 ⁻³ for any value under 0.1Ω 0.01Ω = 10L0 0.1Ω = R100 10KΩ = 10K0 Zero ohm Jumper = 0R00
		4124	2W	D	0.5%			4124	800	
		4527	2W	F	1%			4527	1,200	
		6227	3W	J	5%			6227	750	
		8035	4W	Z	Jumper			8035	350	

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