



Features:

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

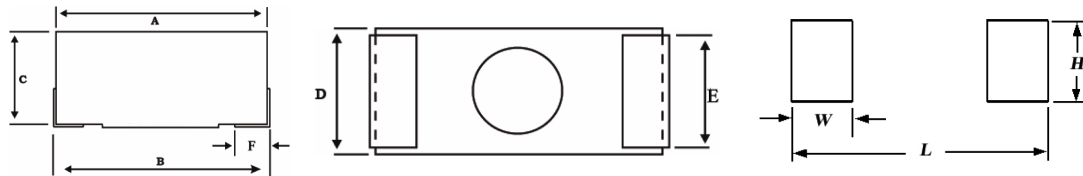
**RoHS
Compliant**

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



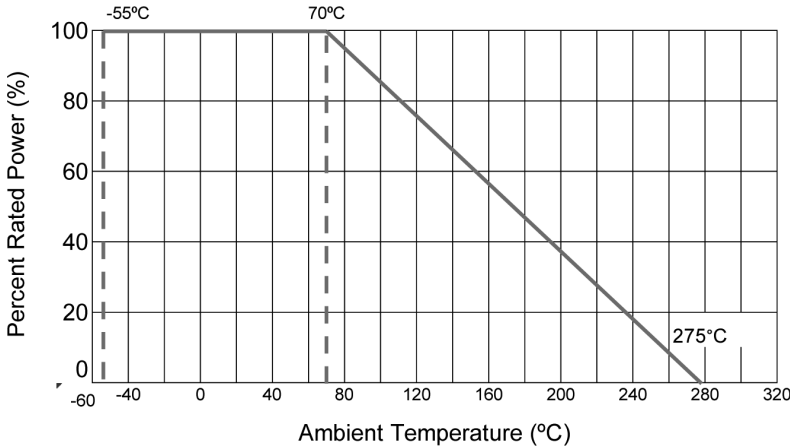
Mechanical Specifications:

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)

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

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