

Surface Mount Wirewound Resistor

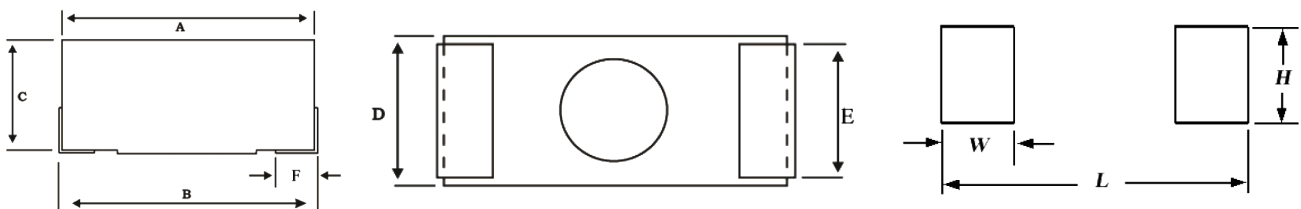


Features:

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

Electrical Specifications:

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%
3W	100V	>500V	± 100 ppm/°C ± 20 ppm/°C	0.5 - 10 10.2 - 3K	0.2 - 10 10.2 - 3K	0.01 - 10 10.2 - 3.01K	0.01 - 10 10.2 - 3K



Mechanical Specifications:

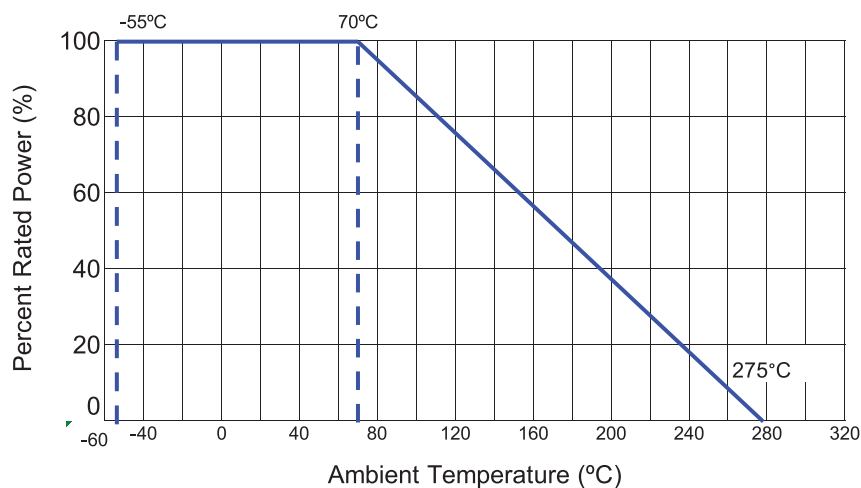
A Body Length	B Total Length	C Body Height	D Body Width	E Termination Width	F Termination Length	W	H	L	Unit
0.625 \pm 0.015	0.645 \pm 0.032	0.25 \pm 0.015	0.275 \pm 0.015	0.122 \pm 0.015	0.13 \pm 0.015	0.236	0.157	0.85	inches
15.88 \pm 0.38	16.38 \pm 0.81	6.35 \pm 0.38	6.99 \pm 0.38	3.1 \pm 0.38	3.3 \pm 0.38	5.99	3.99	21.59	mm

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

Power Derating Curve:



Part Number Table

Description	Resistance	Unit of Measure	Part Number
Resistor Wirewound, 0.01Ω, 3W, 1%	0.01Ω	Tape Cut	MCSM3W0R01 FR
Resistor Wirewound, 0.05Ω, 3W, 1%	0.05Ω	Tape Cut	MCSM3W0R05FR
Resistor, Wirewound, 0.1Ω, 3W, 1%	0.1Ω	Tape Cut	MCSM3W0R10 FR
Resistor, Wirewound, 2Ω, 3W, 1%	2Ω	Tape Cut	MCSM3W2R00FR
Resistor, Wirewound, 10Ω, 3W, 1%	10Ω	Tape Cut	MCSM3W10R0FR
Resistor, Wirewound, 25Ω, 3W, 1%	25Ω	Tape Cut	MCSM3W25R0FR
Resistor, Wirewound, 50Ω, 3W, 1%	50Ω	Tape Cut	MCSM3W50R0FR
Resistor, Wirewound, 100Ω, 3W, 1%	100Ω	Tape Cut	MCSM3W100RFR
Resistor, Wirewound, 200Ω, 3W, 1%	200Ω	Tape Cut	MCSM3W200RFR
Resistor, Wirewound, 250Ω, 3W, 1%	250Ω	Tape Cut	MCSM3W250RFR
Resistor, Wirewound, 500Ω, 3W, 1%	500Ω	Tape Cut	MCSM3W500RFR
Resistor, Wirewound, 1kΩ, 3W, 1%	1kΩ	Tape Cut	MCSM3W1001FR

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