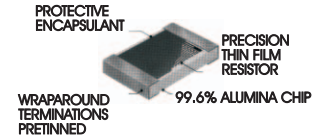




State of the Art, Inc.

Thin Film Chip Resistor

M55342/09 RM2512



PERFORMANCE

Resistance Range **5Ω - 1MΩ**
 Tolerances **0.1%, 1%, 2%, 5%**
 Maximum Power **1000 mW**
 Maximum Voltage **200 Volts**

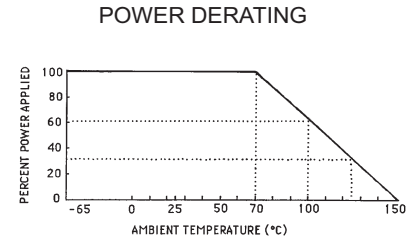
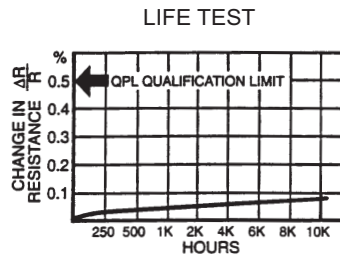
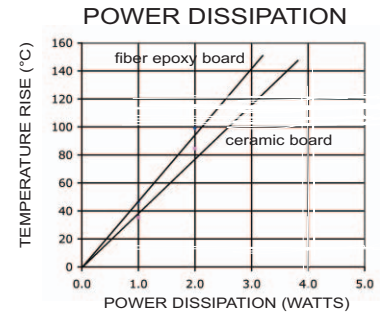
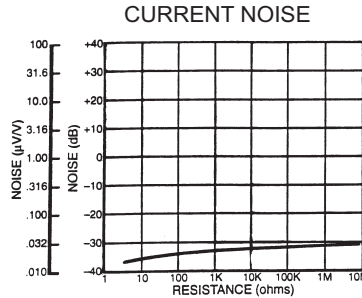
TESTS

TCR (-55 to +125 °C) in ppm/°C
 Thermal Shock
 Low Temperature Operation
 Short-time Overload
 Resistance to Soldering Heat
 Moisture Resistance
 Life, 2,000 Hours
 High Temperature Exposure

CHARACTERISTICS*

	E	H
TCR (-55 to +125 °C) in ppm/°C	±25	±50
Thermal Shock	±0.1%	±0.25%
Low Temperature Operation	±0.1%	±0.25%
Short-time Overload	±0.1%	±0.1%
Resistance to Soldering Heat	±0.2%	±0.25%
Moisture Resistance	±0.2%	±0.4%
Life, 2,000 Hours	±0.5%	±0.5%
High Temperature Exposure	±0.1%	±0.2%

*Maximum allowable change per MIL-PRF-55342, typical change is 10% of these values.



PART NUMBERING

M55342 H 09 B 100D R - TR

PACKAGING CODE: TR = Tape & Reel W= Waffle Pack

PRODUCT LEVEL DESIGNATOR: M: 1% per 1000 hrs. R: 0.01% P: 0.1% T: Space Level C: Non - ER

RESISTANCE AND TOLERANCE CODE:

Three significant digits, with a letter indicating the decimal location, the tolerance, and the value range.

A: 0.1% Ω D: 1% Ω G: 2% Ω J: 5% Ω
 B: 0.1% K Ω E: 1% K Ω H: 2% K Ω K: 5% K Ω
 C: 0.1% M Ω F: 1% M Ω T: 2% M Ω L: 5% M Ω

TERMINATION MATERIALS: B: Solderable wraparound W: Gold wire bondable

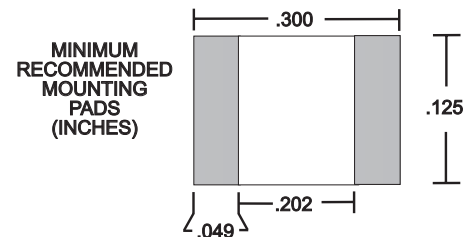
SIZE CODE: /09 = RM2512

TEMPERATURE CHARACTERISTIC: E: ± 25ppm H: ± 50ppm

PERFORMANCE SPECIFICATION MIL-PRF-55342

MECHANICAL

	INCHES	MILLIMETERS
Length	.250 (.244 - .268)	6.35 (6.20 - 6.81)
Width	.119 (.119 - .129)	3.02 (3.02 - 3.28)
Thickness	.028 (.015 - .033)	0.71 (0.38 - 0.84)
Top Term	.020 (.015 - .025)	0.51 (0.38 - 0.64)
Bottom Term	.019 (.015 - .025)	0.48 (0.38 - 0.64)
Gap	.212 (.208 - .216)	5.39 (5.28 - 5.49)
Approx. Weight	.0513 grams	



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04/09/08

Specifications subject to change without notice.

www.resistor.com