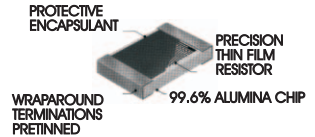




State of the Art, Inc.

Thin Film Chip Resistor

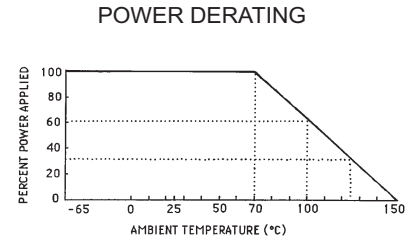
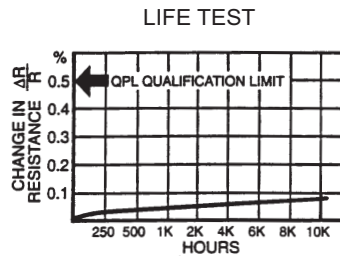
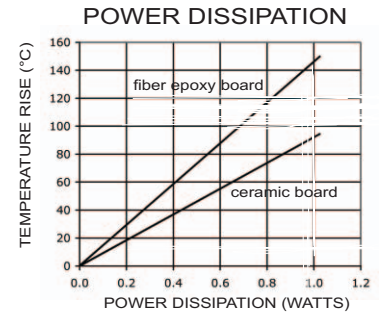
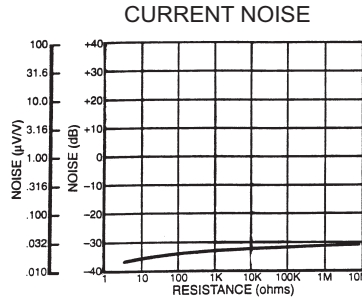
M55342/11 RM0402



PERFORMANCE

Resistance Range 100Ω - 100KΩ
 Tolerances 0.1%, 1%, 2%, 5%
 Maximum Power 50 mW
 Maximum Voltage 50 Volts

TESTS	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 (qualification)	±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 11 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% KΩ E: 1% KΩ H: 2% KΩ K: 5% KΩ
 C: 0.1% MΩ F: 1% MΩ T: 2% MΩ L: 5% MΩ

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

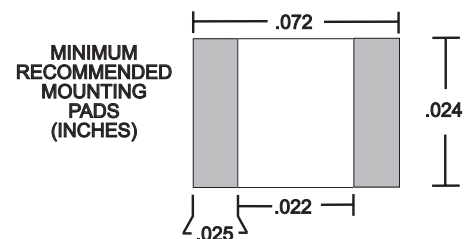
SIZE CODE: /11 = RM0402

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

PERFORMANCE SPECIFICATION MIL-PRF-55342

MECHANICAL

	INCHES	MILLIMETERS
Length	.042 (.034 - .050)	1.07 (0.86 - 1.27)
Width	.022 (.017 - .027)	0.56 (0.43 - 0.69)
Thickness	.018 (.010 - .033)	0.46 (0.25 - 0.84)
Top Term	.008 (.005 - .015)	0.20 (0.13 - 0.38)
Bottom Term	.008 (.005 - .015)	0.20 (0.13 - 0.38)
Gap	.026 (.022 - .030)	0.66 (0.56 - 0.76)
Approx. Weight	.00108 grams	



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04/09/08

Specifications subject to change without notice.

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