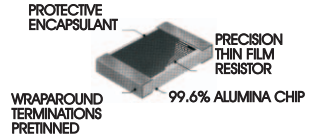




# State of the Art, Inc.

## Thin Film Chip Resistor

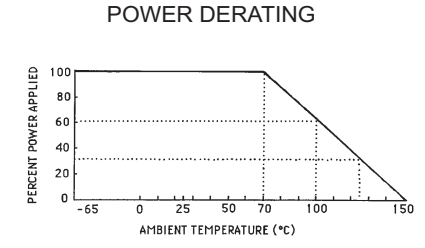
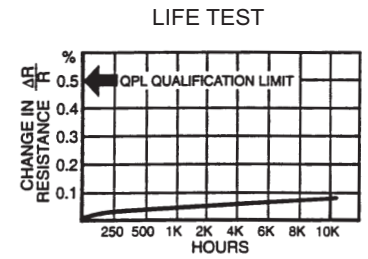
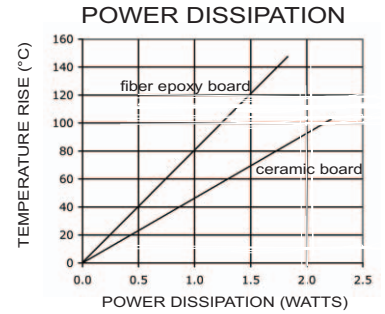
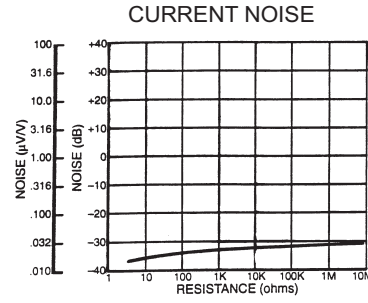
### D55342/07 RM1206



## PERFORMANCE

Resistance Range                    100Ω - 1MΩ  
 Tolerances                            0.1%, 1%, 2%, 5%  
 Maximum Power                    250 mW  
 Maximum Voltage                    100 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	±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

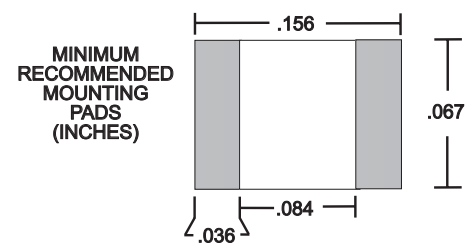
### D55342 H 07 B 100D R - TR

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: /07* = RM1206	
TEMPERATURE CHARACTERISTIC: E: ± 25ppm H: ± 50ppm	
PERFORMANCE SPECIFICATION MIL-PRF-55342	

\*RM1206 is specified in MIL-PRF-55342 as D55342 /07 rather than M55342 /07.

## MECHANICAL

	INCHES	MILLIMETERS
Length	.126 (.118 - .134)	3.20 (3.00 - 3.40)
Width	.061 (.058 - .068)	1.55 (1.47 - 1.73)
Thickness	.018 (.015 - .033)	0.46 (0.38 - 0.84)
Top Term	.016 (.010 - .025)	0.41 (0.25 - 0.64)
Bottom Term	.018 (.010 - .025)	0.46 (0.25 - 0.64)
Gap	.090 (.086 - .094)	2.29 (2.18 - 2.39)
Approx. Weight	.0084 grams	



2470 Fox Hill Road, State College, PA 16803-1797  
 Phone (814) 355-8004 Fax (814) 355-2714 Toll Free 1-800-458-3401  
 www.resistor.com

04/09/08

\*Specifications subject to change without notice.\*

## X-ON Electronics

Largest Supplier of Electrical and Electronic Components

*Click to view similar products for [Multilayer Ceramic Capacitors MLCC - SMD/SMT](#) category:*

*Click to view products by [State Of The Art](#) manufacturer:*

Other Similar products are found below :

[M39014/01-1467](#) [M39014/02-1218V](#) [M39014/02-1225V](#) [M39014/02-1262V](#) [M39014/02-1301](#) [M39014/22-0631](#) [1210J5000102JCT](#)  
[1210J2K00102KXT](#) [1210J5000103KXT](#) [1210J5000223KXT](#) [D55342E07B379BR-TR](#) [D55342E07B523DR-T/R](#) [1812J1K00103KXT](#)  
[1812J1K00473KXT](#) [1812J2K00680JCT](#) [1812J4K00102MXT](#) [1812J5000102JCT](#) [1812J5000103JCT](#) [1812J5000682JCT](#) [NIN-FB391JTRF](#)  
[NIN-FC2R7JTRF](#) [NPIS27H102MTRF](#) [C1206C101J1GAC](#) [C1608C0G1E472JT000N](#) [C2012C0G2A472J](#) [2220J2K00101JCT](#)  
[KHC201E225M76N0T00](#) [LRC-LRF1206LF-01R025FTR1K](#) [1812J1K00222JCT](#) [1812J2K00102KXT](#) [1812J2K00222KXT](#)  
[1812J2K00472KXT](#) [2-1622820-7-CUT-TAPE](#) [2220J3K00102KXT](#) [2225J2500824KXT](#) [CCR07CG103KM](#) [CGA2B2C0G1H010C](#)  
[CGA2B2C0G1H040C](#) [CGA2B2C0G1H050C](#) [CGA2B2C0G1H060D](#) [CGA2B2C0G1H070D](#) [CGA2B2C0G1H151J](#) [CGA2B2C0G1H1R5C](#)  
[CGA2B2C0G1H2R2C](#) [CGA2B2C0G1H3R3C](#) [CGA2B2C0G1H680J](#) [CGA2B2C0G1H6R8D](#) [CGA2B2X8R1H221K](#) [CGA2B2X8R1H472K](#)  
[CGA3E1X7R1C474K](#)