PERFORMANCE

Resistance Range 100Ω - 1MΩ
Tolerances 0.1%, 1%, 2%, 5%
Maximum Power 150 mW
Maximum Voltage 50 Volts

CHARACTERISTICS*

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

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

PART NUMBERING

M55342 H 06 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
B: 0.1% KΩ
C: 0.1% MΩ
D: 1% Ω
E: 1% KΩ
F: 1% MΩ
G: 2% Ω
H: 2% KΩ
J: 5% KΩ

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

SIZE CODE: /06 = RM0705

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

PERFORMANCE SPECIFICATION MIL-PRF-55342

MECHANICAL

INCHES       MILLIMETERS

Length       .075 (.074 - .086) 1.91 (1.88 - 2.18)
Width        .048 (.045 - .055) 1.22 (1.14 - 1.40)
Thickness    .018 (.015 - .033) 0.46 (0.38 - 0.84)
Top Term     .012 (.008 - .024) 0.31 (0.20 - 0.61)
Bottom Term  .014 (.010 - .020) 0.36 (0.25 - 0.51)
Gap          .047 (.043 - .051) 1.19 (1.05 - 1.30)
Approx. Weight .00405 grams

State of the Art, Inc. 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.*