**PERFORMANCE**

Resistance Range: 100Ω - 1MΩ
Tolerances: 0.1%, 1%, 2%, 5%
Maximum Power: 150 mW
Maximum Voltage: 125 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>±0.25%</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 04 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: /04 = RM1505

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

**MECHANICAL**

**INCHES** | **MILLIMETERS**
---|---
Length | .150 (.148 - .162) | 3.81 (3.76 - 4.11)
Width | .048 (.045 - .055) | 1.22 (1.14 - 1.40)
Thickness | .023 (.015 - .033) | 0.58 (0.38 - 0.84)
Top Term | .016 (.010 - .020) | 0.38 (0.25 - 0.51)
Bottom Term | .014 (.010 - .020) | 0.38 (0.25 - 0.51)
Gap | .122 (.118 - .126) | 3.10 (3.00 - 3.20)
Approx. Weight | .0097 grams |