PERFORMANCE

Resistance Range  5Ω - 1MΩ
Tolerances  0.1%, 1%, 2%, 5%
Maximum Power  125 mW
Maximum Voltage  40 Volts

Resistance range for 0.1% tolerance is 100 ohms to 150 K ohms.

TESTS

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

CHARACTERISTICS*

E  H
-25ppm  50ppm
±0.1%  ±0.25%
±0.1%  ±0.25%
±0.2%  ±0.25%
±0.2%  ±0.4%
±0.5%  ±0.9%
±0.1%  ±0.2%

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

PART NUMBERING

M55342 H 02 B 100D R - TR

MECHANICAL

INCHES  MILLIMETERS

Length  .052 (.050 - .060)  1.32 (1.27 - 1.52)
Width  .048 (.046 - .054)  1.22 (1.17 - 1.37)
Thickness  .015 (.013 - .023)  0.38 (0.33 - 0.58)
Top Term  .009 (.006 - .015)  0.22 (0.13 - 0.38)
Bottom Term  .014 (.010 - .020)  0.36 (0.25 - 0.51)
Gap  .024 (.020 - .028)  0.61 (0.51 - 0.71)
Approx. Weight  .00315 grams

MINIMUM RECOMMENDED MOUNTING PADS (INCHES)

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

*Specifications subject to change without notice.*