PERFORMANCE

Resistance Range: 100Ω - 1MΩ
Tolerances: 0.1%, 1%, 2%, 5%
Maximum Power: 200 mW
Maximum Voltage: 75 Volts

TESTS
TCR (-55 to +125 °C) in ppm/°C ±0.25
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

M55342 03 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.

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

SIZE CODE: /03 = RM1005

PERFORMANCE SPECIFICATION MIL-PRF-55342

MECHANICAL

INCHES MILLIMETERS
Length .100 (.098 - .112) 2.54 (2.49 - 2.84)
Width .048 (.045 - .056) .122 (1.14 - 1.40)
Thickness .018 (.015 - .033) .046 (0.38 - 0.84)
Top Term .014 (.010 - .020) .036 (0.25 - 0.51)
Bottom Term .014 (.010 - .020) .036 (0.25 - 0.51)
Gap .072 (.068 - .076) 1.83 (1.73 - 1.93)
Approx. Weight .0054 grams