Performance

Resistance Range*  1Ω to 22 MΩ
Tolerances (± %)*  1, 2, 5, 10
TCR (± ppm/°C)*  100, 200, 300
Power Rating  50 mW
Voltage Rating  40 V
Operating Range  -65 to 150°C
Product Levels  M, P, R, S, U, V, T

Maximum Allowable Drift

Temperature Characteristic  K  L  M
TCR (ppm/°C)  ±100  ±200  ±300
Thermal Shock  ±0.5%  ±0.5%  ±0.5%
Power Conditioning  ±0.5%  ±0.5%  ±0.5%
Low Temperature Operation  ±0.25%  ±0.25%  ±0.5%
Short Time Overload  ±0.25%  ±0.25%  ±0.5%
High Temperature Exposure  ±0.5%  ±0.5%  ±1.0%
Moisture Resistance  ±0.5%  ±0.5%  ±0.5%
Life (Qualification)  ±0.5%  ±0.5%  ±2.0%
Life (FR Level)  ±2.0%  ±2.0%  ±2.0%
Resistance to Soldering Heat  ±0.25%  ±0.25%  ±0.25%
Resistance to Bonding Exposure  ±0.25%  ±0.25%  ±0.25%

Noise

Power Dissipation

Life Test

Power Derating

Part Number

M55342K01B100DS - TR

Packaging:  -TR: Tape & Reel  -W: Waffle Tray

Performance Specification MIL-PRF-55342

Mechanical

Length (a)  .052(.049 - .061)  1.32(1.24 - 1.55)
Width (b)  .025(.020 - .030)  0.64(0.51 - 0.76)
Thickness (c)  .018(.010 - .033)  0.46(0.25 - 0.84)
Top Termination (d)  .009(.005 - .015)  0.22(0.13 - 0.38)
Bottom Termination (e)  .014(.010 - .020)  0.36(0.25 - 0.51)

Approximate Weight  0.00155 g

*see QPL55342 for part number availability