

0603BB (.060" x .030") 0603BB104KW101

Product Features

Presented frequency range: **400MHz to 20GHz** Insertion Loss: < 1.2db, typical; 100WVDC; Available in Tin, Gold or Tin/Lead Terminations

♦ Electrical Specifications

- Capacitance: 100nF
- Operating Temperature Range: _55°C to +125°C
- Temperature Coefficient of Capacitance (TCC):

 $\pm 15\%$ (-55°C to +125°C)

- Rated Voltage: 100 WVDC
- Dielectric Withstanding Voltage (DWV): 250% of rated WVDC for 5 secs.
- Insulation Resistance:

 $10^{11}\Omega$ min. @ $+25^{\circ}C$ @ rated WVDC

Mechanical Dimensions

- L = 0.060 in. ± 0.006 in. (1.52mm ± 0.15 mm)
- W = 0.030 in. ± 0.006 in. (0.76mm ± 0.15 mm)
- T = 0.035 in. MAX. (0.89mm)
- S = 0.020 in. MIN. (0.51mm)

Test Conditions

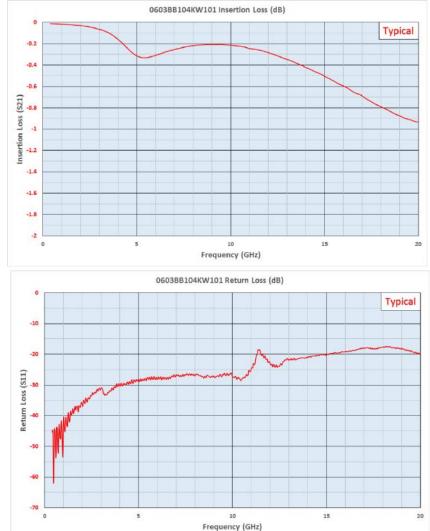


Typical response for a sample placed across a 36 mil gap, 29 mil wide, 13.3 mil Rogers 4350B.

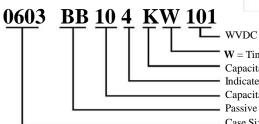
Measurements are de-embedded to sample edge using TRL calibration procedures

Dorformones Curves

Performance Curves - Insertion and Return Loss Charts



Part Numbering



W = Tin Plated over Nickel Barrier (RoHS) Compliant; G = Gold; L = Tin/Lead
Capacitance Tolerance (K tolerance = +/-10%)
Indicates number of zeroes following digits of capacitance in pF
Capacitance Code - First 2 significant digits for capacitance
Passive Plus Series
Case Size



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Broadband Capacitors

0603BB (.060" x .030")