0201BB (.020” x .010”)  0201BB103KW250

◆ Product Features
Typical operating frequency range: 160kHz (-3 dB point) to > 32 GHz;
Insertion Loss: < 1 dB, typical; 25 WVDC; Available in Tin, Gold, or Tin/Lead (90%Sn/10%Pb) Terminations;
15K pcs/reels; lower quantities in cut tape; also available in Waffle Packs

◆ Electrical Specifications
• Capacitance: 10nF
• Operating Temperature Range: -55°C to +125°C
• Temperature Coefficient of Capacitance (TCC):
  ±15% (-55°C to +125°C)
• Rated Voltage: 25 WVDC
• Dielectric Withstanding Voltage (DWV):
  250% of rated WVDC for 5 secs.
• Insulation Resistance:
  10^11Ω min. @ +25°C @ rated WVDC

◆ Mechanical Dimensions
L = 0.023 in. ± 0.001 in. (0.58mm ± 0.03mm)
W = 0.012 in. ± 0.001 in. (0.3mm ± 0.03mm)
T = 0.0118 in. MAX. (0.3mm)
S = 0.0078 in. MIN. (0.2mm MIN.)

◆ Test Conditions
Typical responses for sample placed across a 3-mil gap in a 13-mil-wide trace on 6.6mil RO4350.
Measurements de-embedded to sample edges using TRL calibration procedures.

◆ Part Numbering
0201  BB 10 3  K  W 250

WVDC
W = Tin Plated over Nickel Barrier (RoHS) Compliant; G = Gold, Epoxy Mount only;
L = Tin/Lead (90%Sn/10%Pb)
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

◆ Modeling Data
• S-Parameters available on PPI website
• Full models also available on Modelithics website at
  http://www.modelithics.com/mvp/PassivePlus/

0201BB103110518RevA

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