0201BB (.020” x .010””) 100nF

◆ Product Features
Typical operating frequency range: 16 KHz (-3 dB point) to > 40 GHz;
Insertion Loss: < 1 db, typical; 16 WVDC; Available in Tin or Gold Terminations;
15K pcs/reels; lower quantities in cut tape; also available in Waffle Packs

◆ Electrical Specifications
• Capacitance: 100nF
• Operating Temperature Range: -55ºC to +125ºC
• Temperature Coefficient of Capacitance (TCC):
  ±15% (-55ºC to +125ºC)
• Rated Voltage: 16 WVDC
• Dielectric Withstanding Voltage (DWV):
  250% of rated WVDC for 5 secs.
• Insulation Resistance:
  10¹¹Ω min. @ +25ºC @ 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 12.5-mil-wide trace on 6.6mil RO4350B.
Measurements de-embedded to sample edges using TRL calibration procedures.

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

◆ Part Numbering
0201 BB 10 4 K W 160
WVDC
W = Tin Plated over Nickel Barrier (RoHS) Compliant; G = Gold, Epoxy Mount only
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