0402BB (.040” x .020”) 0402BB104KW500

◆ Product Features

- Typical operating frequency range: 16 kHz (-3 dB point) to 50 GHz;
- Insertion Loss: < 1.2 dB, typical; 50 WVDC;
- Available in Tin, Gold, and Tin/Lead (90%Sn/10%Pb) Terminations
- 10K pcs/reel: Lower quantities available in cut tape

◆ Electrical Specifications

- Capacitance: 100 nF
- Operating Temperature Range: -55°C to +125°C
- Temperature Coefficient of Capacitance (TCC): ±15% (-55°C to +125°C)
- Rated Voltage: 50 WVDC
- Dielectric Withstanding Voltage (DWV): 250% of rated WVDC for 5 secs.
- Insulation Resistance: 10^11Ω min. @ +25°C @ rated WVDC

◆ Mechanical Dimensions

L = 0.040 in. ± 0.004 in. (1.016mm ± 0.102mm)
W = 0.020 in. ± 0.004 in. (0.508 mm ± 0.102 mm)
T = 0.024 in. MAX. (0.610 mm MAX.)
S = 0.016 in. MIN. (0.406 mm MIN.)

◆ Test Conditions

Typical responses for sample placed across a 15.5 mil gap in a 21-mil-wide trace on 10-mil R04350B.
Measurements de-embedded to sample edge using TRL calibration procedures.

◆ Part Numbering

0402 BB 10 4 KW 500

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

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