

R35-1209BB100R0FxxQC

◆ Product Features

Case Size	Std. Resistance	Power
1209 mils	100Ω	50 mW

◆ Specifications

Operating Frequency	DC to 67 GHz
Insertion Loss	6.0 dB ± 2dB typical
Operating Temperature Range	55°C to +150°C
Resistive Material	Tantalum Nitride (TaN)
Temperature Coefficient	±150 ppm/°C standard
Resistance Tolerance	±1% standard
Substrate	Alumina (Al ₂ O ₃); other substrates available
Metallization	A = Tantalum/Palladium/Gold (Ta/Pd/Au) R = Titanium/Platinum/Gold (Ti/Pt/Au)

◆ Packaging

Parts are available in Waffle Packs.
Contact PPI for additional packaging options.

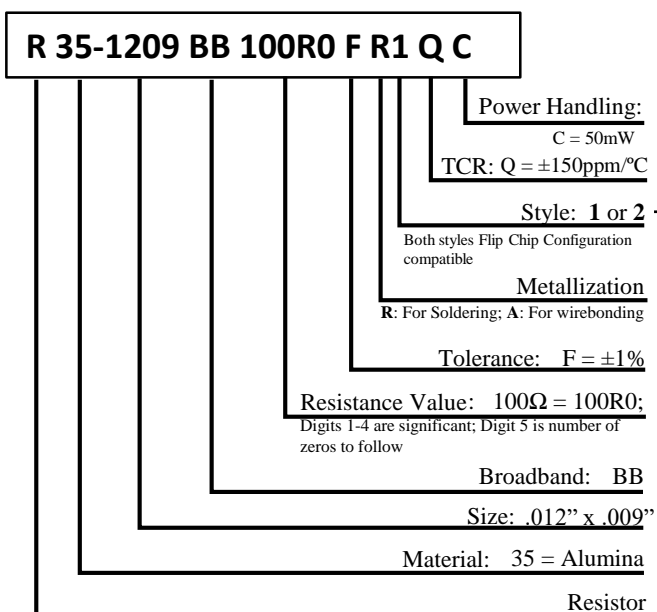
◆ Mechanical Dimensions

L = 0.012" ± 0.001" (0.305mm ± 0.051mm)
W = 0.009" ± 0.001" (0.229mm ± 0.051mm)
H = 0.005" ± 0.001" (0.127mm ± 0.025mm)

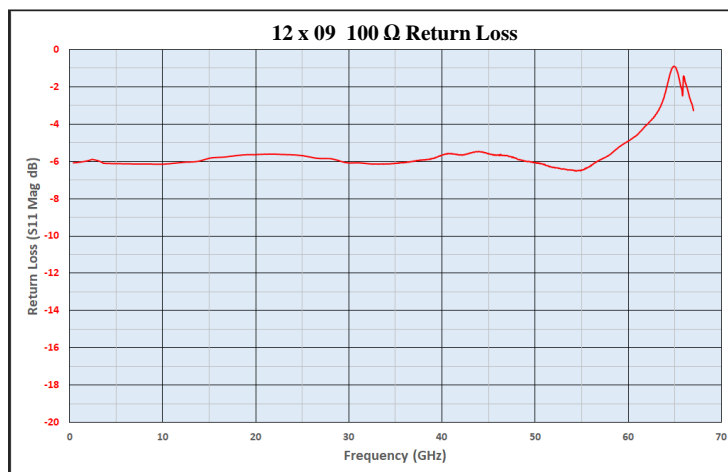
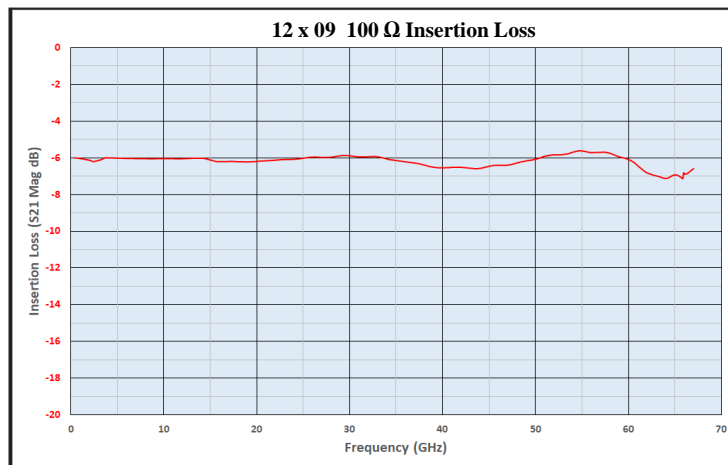
◆ Test Conditions

Typical responses for sample placed across a 0.127 mm (5.0 mil) gap between 0.29 mm (11.3 mil) wide, 0.21 mm (8.3 mil) long mounting pads on 4-mil Rogers RO4350B. Measured and modeled data are de-embedded to the mounting pad edges using TRL calibration procedures.

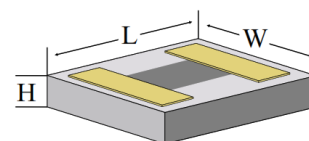
◆ Part Numbering



◆ Performance Curves— Insertion and Return Loss Charts

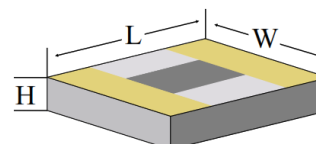
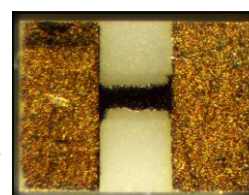


Style: 1 - Recessed Pad



1% standard tolerance (other tolerances available)

Style: 2 – Full Pad



1% tolerance only