# B2BYM-PCB



### 1.5-3.5 Male Straight B2B, PCB Type

#### **Product Classification**

Product Type Device connector

General Specifications

Body Style Straight
Inner Contact Attachment Method Solder

Inner Contact Plating Silver

Interface 1.5-3.5 Male

Mounting Angle Straight

Outer Contact Plating Tin | Trimetal

Dimensions

 Height
 9 mm | 0.354 in

 Width
 9 mm | 0.354 in

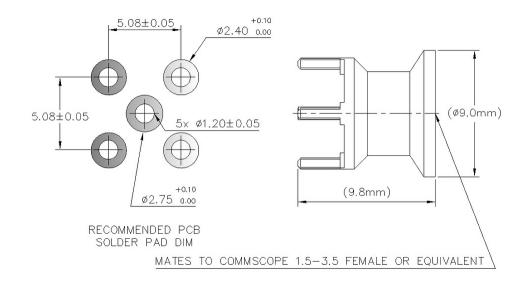
 Length
 9.8 mm | 0.386 in

 Diameter
 9 mm | 0.354 in

Outline Drawing



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### **Electrical Specifications**

**3rd Order IMD at Frequency** -110 dBm @ 3500 MHz | -112 dBm @ 1800 MHz | -112 dBm @ 910 MHz

0 - 6000 MHz

**3rd Order IMD Test Method** Two +43 dBm carriers

Insertion Loss, maximum0.1 dBConnector Impedance50 ohmdc Test Voltage1000 VInner Contact Resistance, maximum2 mOhm

**Insulation Resistance, minimum** 5000 MOhm

Outer Contact Resistance, maximum 2 m0hm

RF Operating Voltage, maximum (vrms) 500 V

#### VSWR/Return Loss

**Operating Frequency Band** 

VSWR	Return Loss (dB)
1.065	30.04
1.065	30.04
1.083	27.99
1.222	20.01
	1.065 1.065 1.083

## Mechanical Specifications



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PCB Attachment Through-hole

**Insertion Force** 15 N | 3.372 lbf

Interface Durability 100 cycles

Interface Durability Method IEC 61169-4:17

Mechanical Shock Test Method IEC 60068-2-27

Radial Float/Misalignment 2.7 °

### **Environmental Specifications**

**Operating Temperature**  $-55 \,^{\circ}\text{C}$  to  $+85 \,^{\circ}\text{C}$  (-67  $^{\circ}\text{F}$  to  $+185 \,^{\circ}\text{F}$ )

Storage Temperature  $-65 \,^{\circ}\text{C}$  to  $+125 \,^{\circ}\text{C}$  (-85  $^{\circ}\text{F}$  to  $+257 \,^{\circ}\text{F}$ )

**Attenuation, Ambient Temperature** 20 °C | 68 °F

**Average Power, Ambient Temperature** 40 °C | 104 °F

**Average Power, Inner Conductor Temperature** 100 °C | 212 °F

Corrosion Test Method IEC 60068-2-11

Thermal Shock Test Method IEC 60068-2-14

Vibration Test Method IEC 60068-2-6

Packaging and Weights

**Weight, net** 1.33 g | 0.003 lb

