1.5-3.5 Male Straight B2B, Press-In Type on Filter

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: Trimetal

Dimensions

Height: 7.8 mm | 0.307 in  
Width: 7.8 mm | 0.307 in  
Length: 13.5 mm | 0.531 in  
Diameter: 7.8 mm | 0.307 in

Outline Drawing
**Electrical Specifications**

**3rd Order IMD at Frequency**
-110 dBm @ 3500 MHz | -117 dBm @ 1800 MHz | -117 dBm @ 2600 MHz | -117 dBm @ 910 MHz

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

**Insertion Loss, maximum**
0.1 dB

**Connector Impedance**
50 ohm

**dc Test Voltage**
1000 V

**Inner Contact Resistance, maximum**
2 mOhm

**Insulation Resistance, minimum**
5000 MOhm

**Operating Frequency Band**
0 – 6000 MHz

**Outer Contact Resistance, maximum**
2 mOhm

**RF Operating Voltage, maximum (vrms)**
500 V

**VSWR/Return Loss**

<table>
<thead>
<tr>
<th>Frequency Band</th>
<th>VSWR</th>
<th>Return Loss (dB)</th>
</tr>
</thead>
<tbody>
<tr>
<td>450–2200 MHz</td>
<td>1.065</td>
<td>30.04</td>
</tr>
<tr>
<td>2200–3800 MHz</td>
<td>1.065</td>
<td>30.04</td>
</tr>
</tbody>
</table>
### Mechanical Specifications

- **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 °C to +85 °C (-67 °F to +185 °F)
- **Storage Temperature**: -65 °C to +125 °C (-85 °F to +257 °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**: 1.66 g | 0.004 lb