SMB Jack Right Angle Connector Solder Attachment Surface Mount PCB

**RF Connectors Technical Data Sheet**

**Configuration**
- SMB Jack Connector
- MIL-C-39012
- 50 Ohms
- Right Angle Body Geometry
- Surface Mount Interface Type
- Solder Attachment

**Features**
- Max. Operating Frequency 4 GHz
- Gold over Nickel Plated Brass Contact
- 30 µin minimum contact plating

**Applications**
- General Purpose Test
- PCB Applications

**Description**
Pasternack's PE44121 SMB jack right angle connector with solder attachment for surface mount PCB is part of our full line of RF components available for same-day shipping. Our SMB jack connector operates up to a maximum frequency of 4 GHz. Its right angle body geometry allows for easier connections in tight spaces.

Our SMB jack right angle connector PE44121 datasheet specifications and drawing with dimensions are shown below in this PDF. Pasternack's broad catalog of RF, microwave and millimeter wave connectors allows designers to configure and customize their signal connections however they like. Whether the need is to provide an I/O for a board design, or simply create a custom cable assembly configuration, Pasternack has the right connector for the job. Pasternack can also expertly build your custom cable assemblies for you and ship same-day.

**Electrical Specifications**

<table>
<thead>
<tr>
<th>Description</th>
<th>Minimum</th>
<th>Typical</th>
<th>Maximum</th>
<th>Units</th>
</tr>
</thead>
<tbody>
<tr>
<td>Frequency Range</td>
<td>DC</td>
<td>4</td>
<td>4</td>
<td>GHz</td>
</tr>
<tr>
<td>Operating Voltage (AC)</td>
<td></td>
<td>335</td>
<td></td>
<td>Vrms</td>
</tr>
<tr>
<td>Dielectric Withstanding Voltage (AC)</td>
<td></td>
<td>1,000</td>
<td></td>
<td>Vrms</td>
</tr>
<tr>
<td>High Potential Voltage at 4 and 7 MHz</td>
<td></td>
<td>600</td>
<td></td>
<td>Vrms</td>
</tr>
<tr>
<td>Insulation Resistance</td>
<td></td>
<td>1,000</td>
<td></td>
<td>MOhms</td>
</tr>
</tbody>
</table>

**Mechanical Specifications**

- **Size**
  - Length: 0.491 in [12.47 mm]
  - Width/Dia.: 0.25 in [6.35 mm]
  - Height: 0.325 in [8.26 mm]
  - Weight: 0.005 lbs [2.27 g]

Click the following link (or enter part number in “SEARCH” on website) to obtain additional part information including price, inventory and certifications: SMB Jack Right Angle Connector Solder Attachment Surface Mount PCB PE44121
Mating Cycles

500 Cycles

Material Specifications

<table>
<thead>
<tr>
<th>Description</th>
<th>Material</th>
<th>Plating</th>
</tr>
</thead>
<tbody>
<tr>
<td>Contact</td>
<td>Brass</td>
<td>Gold over Nickel 30 µin minimum</td>
</tr>
<tr>
<td>Insulation</td>
<td>PTFE</td>
<td></td>
</tr>
<tr>
<td>Outer Conductor</td>
<td>Brass</td>
<td>Gold over Nickel 10 µin minimum</td>
</tr>
<tr>
<td>Body</td>
<td>Brass</td>
<td>Gold over Nickel 10 µin minimum</td>
</tr>
</tbody>
</table>

Environmental Specifications

Temperature

- Operating Range: -65 to +165 deg C
- Vibration: MIL-STD-202, Method 204, Condition B
- Thermal Shock: MIL-STD-202, Method 107, Condition B

Compliance Certifications *(see product page for current document)*

Plotted and Other Data

Notes:

SMB Jack Right Angle Connector Solder Attachment Surface Mount PCB from Pasternack Enterprises has same day shipment for domestic and International orders. Our RF, microwave and millimeter wave products maintain a 99.4% availability and are part of the broadest selection in the industry.

Click the following link (or enter part number in "SEARCH" on website) to obtain additional part information including price, inventory and certifications: SMB Jack Right Angle Connector Solder Attachment Surface Mount PCB PE44121


The information contained in this document is accurate to the best of our knowledge and representative of the part described herein. It may be necessary to make modifications to the part and/or the documentation of the part, in order to implement improvements. Pasternack reserves the right to make such changes as required. Unless otherwise stated, all specifications are nominal. Pasternack does not make any representation or warranty regarding the suitability of the part described herein for any particular purpose, and Pasternack does not assume any liability arising out of the use of any part or documentation.