SMA Male Connector Crimp/Crimp Attachment for RG174, RG316, RG188, LMR-100, PE-B100, PE-C100, .100 inch

**RF Connectors Technical Data Sheet** PE4003

**Configuration**
- SMA Male Connector
- MIL-STD-348A
- 50 Ohms
- Straight Body Geometry
- RG174, RG316, RG188, LMR-100, PE-B100, PE-C100, .100 inch Interface Type
- Crimp/Crimp Attachment
- 5/16 inch Hex

**Features**
- Max. Operating Frequency 12.4 GHz
- Excellent VSWR of 1.21:1
- Gold Plated Brass Contact
- 30 µin minimum contact plating

**Applications**
- General Purpose Test
- Custom Cable Assemblies

**Description**
Pasternack's PE4003 SMA male connector with crimp/crimp attachment for RG174, RG316, RG188, LMR-100, PE-B100, PE-C100 and .100 inch is part of our full line of RF components available for same-day shipping. Our SMA male connector operates up to a maximum frequency of 12.4 GHz and offers excellent VSWR of 1.21:1.

Our SMA male connector PE4003 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></td>
<td>12.4</td>
<td>GHz</td>
</tr>
<tr>
<td>VSWR</td>
<td></td>
<td>1.21:1</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Operating Voltage (AC)</td>
<td></td>
<td>335</td>
<td></td>
<td>Vrms</td>
</tr>
</tbody>
</table>

**Mechanical Specifications**

- **Size**
  - Length: 0.87 in [22.1 mm]
  - Width/Dia.: 0.315 in [8.00 mm]
  - Weight: 0.012 lbs [5.44 g]
  - Mating Torque: 3 to 5 in-lbs [0.34 to 0.57 Nm]

Click the following link (or enter part number in "SEARCH" on website) to obtain additional part information including price, inventory and certifications: SMA Male Connector Crimp/Crimp Attachment for RG174, RG316, RG188, LMR-100, PE-B100, PE-C100, .100 inch PE4003

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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 30 µin minimum</td>
</tr>
<tr>
<td>Insulation</td>
<td>PTFE</td>
<td>Nickel 100 µin minimum</td>
</tr>
<tr>
<td>Body</td>
<td>Brass</td>
<td>Nickel 100 µin minimum</td>
</tr>
<tr>
<td>Coupling Nut</td>
<td>Brass</td>
<td>Nickel</td>
</tr>
<tr>
<td>Crimp Sleeve</td>
<td>Brass</td>
<td>Nickel</td>
</tr>
</tbody>
</table>

Environmental Specifications

Temperature
Operating Range: -65 to +165 deg C

Compliance Certifications (see product page for current document)

Plotted and Other Data

SMA Male Connector Crimp/Crimp Attachment for RG174, RG316, RG188, LMR-100, PE-B100, PE-C100, .100 inch 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: SMA Male Connector Crimp/Crimp Attachment for RG174, RG316, RG188, LMR-100, PE-B100, PE-C100, .100 inch PE4003

URL: https://www.pasternack.com/sma-male-r174-r316-lmr-100-pe-b100-pe-c100-connector-pe4003-p.aspx

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.
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**NOTES:**
1. **CABLE ATTACHMENT:**
   - OUTER: CRIMP.
   - INNER: SOLDER/CRIMP.

2. **CRIMP SIZE REQUIRED:**
   - FERRULE: .134 [3.40] HEX. CRIMP TOOL
   - CONTACT: .036 [0.92] SQ. CRIMP TOOL.

**STANDARD TOLERANCES**
- .X  ±0.2
- .XX ±0.01
- .XXX ±0.005

*STANDARD TOLERANCES APPLY ONLY TO DIMENSIONS IN INCHES*