SMA Male Connector Crimp/Solder Attachment for RG55, RG142, RG223, RG400, RG141

RF Connectors Technical Data Sheet

PE4008

Configuration
- SMA Male Connector
- MIL-STD-348A
- 50 Ohms
- Straight Body Geometry

- Type
- Crimp/Solder Attachment
- 5/16 inch Hex

Features
- Max. Operating Frequency 12.4 GHz
- Good VSWR of 1.28:1

- Gold Plated Brass Contact
- 50 µin minimum contact plating

Applications
- General Purpose Test
- Custom Cable Assemblies

Description
Pasternack's PE4008 SMA male connector with crimp/solder attachment for RG55, RG142, RG223, RG400, and RG141 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 good VSWR of 1.28:1.

Our SMA male connector PE4008 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>1.28:1</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Operating Voltage (AC)</td>
<td></td>
<td>500</td>
<td>Vrms</td>
<td></td>
</tr>
</tbody>
</table>

Mechanical Specifications

<table>
<thead>
<tr>
<th>Size</th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>Length</td>
<td>0.901 in [22.89 mm]</td>
</tr>
<tr>
<td>Width/Dia.</td>
<td>0.315 in [8.00 mm]</td>
</tr>
<tr>
<td>Weight</td>
<td>0.015 lbs [6.8 g]</td>
</tr>
<tr>
<td>Mating Torque</td>
<td>3 to 5 in-lbs [0.34 to 0.57 Nm]</td>
</tr>
</tbody>
</table>

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/Solder Attachment for RG55, RG142, RG223, RG400, RG141 PE4008
RF Connectors Technical Data Sheet PE4008

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 50 µin minimum</td>
</tr>
<tr>
<td>Insulation</td>
<td>PTFE</td>
<td></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 100 µin minimum</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

Notes:

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/Solder Attachment for RG55, RG142, RG223, RG400, RG141 PE4008
Assembly Instruction

1. STRIP CABLE TO THE DIMENSIONS SHOWN, DO NOT NICK CENTER CONDUCTOR OR BRAID.
2. PUSH CENTER CONDUCTOR FULLY INTO CONTACT AND SOLDER, REMOVE ANY EXCESS SOLDER.
3. FLARE BRAID AND INSERT CONTACT INTO THE BODY UNTIL IT SEATS.
4. SLIDE FERRULE OVER BRAID AND CRIMP WITH CRIMP TOOL.

CRIMP SIZE REQUIRED

- CONTACT: SOLDER
- FERRULE: .213 HEX CRIMP TOOL

ASSEMBLY PROCEDURES

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/Solder Attachment for RG55, RG142, RG223, RG400, RG141

PE4008
SMA Male Connector Crimp/Solder Attachment for RG55, RG142, RG223, RG400, RG141 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/Solder Attachment for RG55, RG142, RG223, RG400, RG141 PE4008


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.
PE4008 CAD Drawing
SMA Male Connector Crimp/Solder Attachment for RG55, RG142, RG223, RG400, RG141

NOTES:
1. UNLESS OTHERWISE SPECIFIED ALL DIMENSIONS ARE NOMINAL.
2. ALL SPECIFICATIONS ARE SUBJECT TO CHANGE WITHOUT NOTICE AT ANY TIME.
3. DIMENSIONS ARE IN INCHES [mm].

Dwg Title: PE4008

Pasternack Enterprises, Inc.
P.O. Box 16759 | Irvine | CA | 92623
Phone: (949) 261-1920 | Fax: (949) 261-7451
Website: www.pasternack.com | E-Mail: sales@pasternack.com
Cage Code: 53919