N Male Connector Clamp/Solder (Captive Contact) Attachment for RG213, RG214, RG8, RG9, RG11, RG225, RG393, RG144, RG216, RG215

RF Connectors Technical Data Sheet

PE4132

Configuration
- N Male Connector
- MIL-STD-348A
- 50 Ohms
- Straight Body Geometry
- RG213, RG214, RG8, RG9, RG11, RG225, RG393, RG144, RG216, RG215 Interface Type
- Clamp/Solder (Captive Contact) Attachment

Features
- Max. Operating Frequency 11 GHz
- Good VSWR of 1.5:1
- Gold Plated Brass Contact
- 30 µin minimum contact plating

Applications
- General Purpose Test
- Custom Cable Assemblies

Description
Pasternack's PE4132 type N male connector with clamp/solder (captive contact) attachment for RG213, RG214, RG8, RG9, RG11, RG225, RG393, RG144, RG216 and RG215 is part of our full line of RF components available for same-day shipping. Our type N male connector operates up to a maximum frequency of 11 GHz and offers good VSWR of 1.5:1.

Our type N male connector PE4132 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>10</td>
<td>11</td>
<td>GHz</td>
</tr>
<tr>
<td>VSWR</td>
<td></td>
<td>1.5:1</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Operating Voltage (AC)</td>
<td></td>
<td></td>
<td>1,000</td>
<td>Vrms</td>
</tr>
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</table>

Mechanical Specifications

<table>
<thead>
<tr>
<th>Size</th>
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</tr>
</thead>
<tbody>
<tr>
<td>Length</td>
<td>1.335 in [33.91 mm]</td>
</tr>
<tr>
<td>Width/Dia.</td>
<td>0.787 in [19.99 mm]</td>
</tr>
<tr>
<td>Weight</td>
<td>0.114 lbs [51.71 g]</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: N Male Connector Clamp/Solder (Captive Contact) Attachment for RG213, RG214, RG8, RG9, RG11, RG225, RG393, RG144, RG216, RG215 PE4132
# 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</td>
</tr>
<tr>
<td></td>
<td></td>
<td>30 µin minimum</td>
</tr>
<tr>
<td>Insulation</td>
<td>PTFE</td>
<td>Nickel</td>
</tr>
<tr>
<td>Body</td>
<td>Brass</td>
<td>Nickel</td>
</tr>
<tr>
<td></td>
<td></td>
<td>100 µin minimum</td>
</tr>
<tr>
<td>Coupling Nut</td>
<td>Brass</td>
<td>Nickel</td>
</tr>
<tr>
<td></td>
<td></td>
<td>100 µin minimum</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:

N Male Connector Clamp/Solder (Captive Contact) Attachment for RG213, RG214, RG8, RG9, RG11, RG225, RG393, RG144, RG216, RG215 PE4132
Assembly Instruction

1. Slide clamp nut 1, thin-washer 2, & gasket 3 over cable. Strip cable as shown. Do not nick braid while cutting jacket. Taper end of braid to permit assembly of clamp.

2. Slide braid clamp 4 over braid & seat against cable. Form braid over clamp nut. Trim braid back to shoulder. Cut dielectric & center conductor to dimension shown. Do not nick center conductor.

3. Slide thick-washer 5 and half-insulator 6 against the braid clamp and hold braid in place. Solder contact 7 to center conductor. Remove excess solder. Do not over heat dielectric. Slide a rest half-insulator 6 to locked contact. Insert cable assembly into body 8 & tighten.

Click the following link (or enter part number in “SEARCH” on website) to obtain additional part information including price, inventory and certifications: N Male Connector Clamp/Solder (Captive Contact) Attachment for RG213, RG214, RG8, RG9, RG11, RG225, RG393, RG144, RG216, RG215 PE4132
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RF Connectors Technical Data Sheet

N Male Connector Clamp/Solder (Captive Contact) Attachment for RG213, RG214, RG8, RG9, RG11, RG225, RG393, RG144, RG216, RG215 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: N Male Connector Clamp/Solder (Captive Contact) Attachment for RG213, RG214, RG8, RG9, RG11, RG225, RG393, RG144, RG216, RG215 PE4132


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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STRIPPING DIMENSIONS

NOTES:
1. CABLE ATTACHMENT:
   • OUTER: CLAMP.
   • INNER: SOLDER.

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

*STANDARD TOLERANCES APPLY ONLY TO DIMENSIONS IN INCHES

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PE4132 CAD Drawing

PE4132

CAGE CODE 53919

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].