



## BNC Female Connector Clamp/Solder Attachment For PE-SR402AL, PE-SR402FL, RG402

### RF Connectors Technical Data Sheet

PE4204

#### Configuration

- BNC Female Connector
- 50 Ohms
- Straight Body Geometry
- PE-SR402AL, PE-SR402FL, RG402 Interface Type
- Clamp/Solder Attachment

#### Applications

- General Purpose Test
- Custom Cable Assemblies

#### Description

Pasternack's PE4204 BNC female connector with clamp/solder attachment for PE-SR402AL, PE-SR402FL and RG402 is part of our full line of RF components available for same-day shipping.

Our BNC female connector PE4204 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.

#### Mechanical Specifications

Weight 0.041 lbs [18.6 g]

#### Material Specifications

| Description | Material | Plating |
|-------------|----------|---------|
| Body        | Brass    | Nickel  |

Click the following link (or enter part number in "SEARCH" on website) to obtain additional part information including price, inventory and certifications: [BNC Female Connector Clamp/Solder Attachment For PE-SR402AL, PE-SR402FL, RG402 PE4204](#)



## BNC Female Connector Clamp/Solder Attachment For PE-SR402AL, PE-SR402FL, RG402

### RF Connectors Technical Data Sheet

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**Compliance Certifications** (see [product page](#) for current document)

#### Plotted and Other Data

Notes:

BNC Female Connector Clamp/Solder Attachment For PE-SR402AL, PE-SR402FL, RG402 from Pasternack Enterprises has same day shipment for domestic and International orders. Our RF, microwave and millimeter wave products maintain a 99% availability and are part of the broadest selection in the industry.

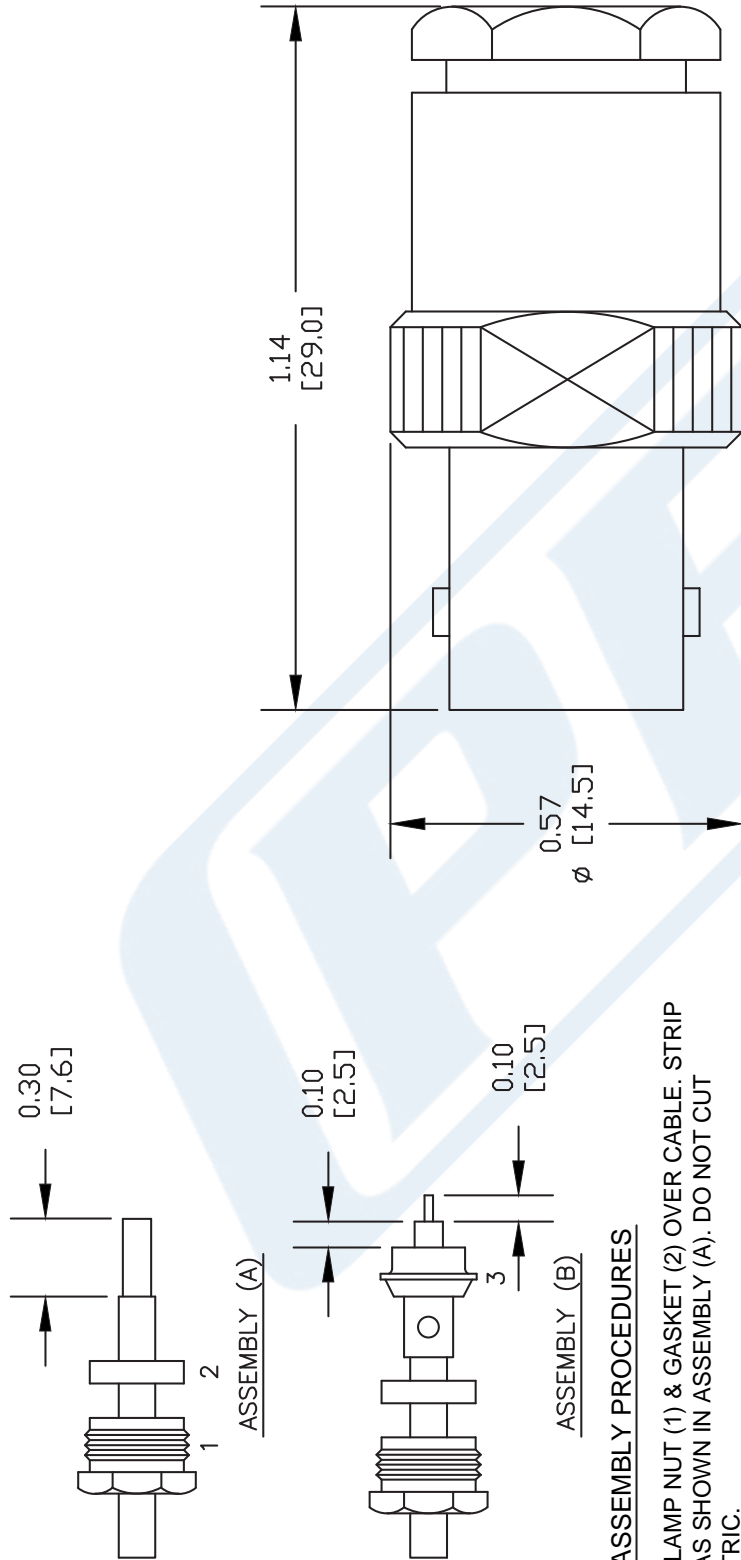
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URL: <https://www.pasternack.com/bnc-female-standard-pe-sr402al-pe-sr402fl-rg402-connector-pe4204-p.aspx>

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# PE4204 CAD Drawing

BNC Female Connector Clamp/Solder Attachment For  
PE-SR402AL, PE-SR402FL, RG402



## ASSEMBLY PROCEDURES

1. SLIDE CLAMP NUT (1) & GASKET (2) OVER CABLE. STRIP CABLE AS SHOWN IN ASSEMBLY (A). DO NOT CUT DIELECTRIC.
2. SLIDE ADAPTER (3) OVER CABLE UNTIL ADAPTER (3) BOTTOMS ON OUTER CONDUCTOR. SOLDER ADAPTER (3) TO OUTER CONDUCTOR USING MINIMUM HEAT.
3. STRIP CABLE AS SHOWN IN ASSEMBLY (B). SOLDER CONTACT TO CENTER CONDUCTOR. SLIDE ASSEMBLY FORWARD & TIGHTEN TO BODY.



Pasternack Enterprises, Inc.

P.O. Box 16759 | Irvine | CA | 92623

Phone: (949) 261-1920 | Fax: (949) 261-7451

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DWG TITLE

**PE4204**

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].
4. FITS MIL-C-17 AND EQUIVALENT CABLES.

REV. -

FSCM NO. 53919

CAD FILE 042309

SCALE N/A

SIZE A

147



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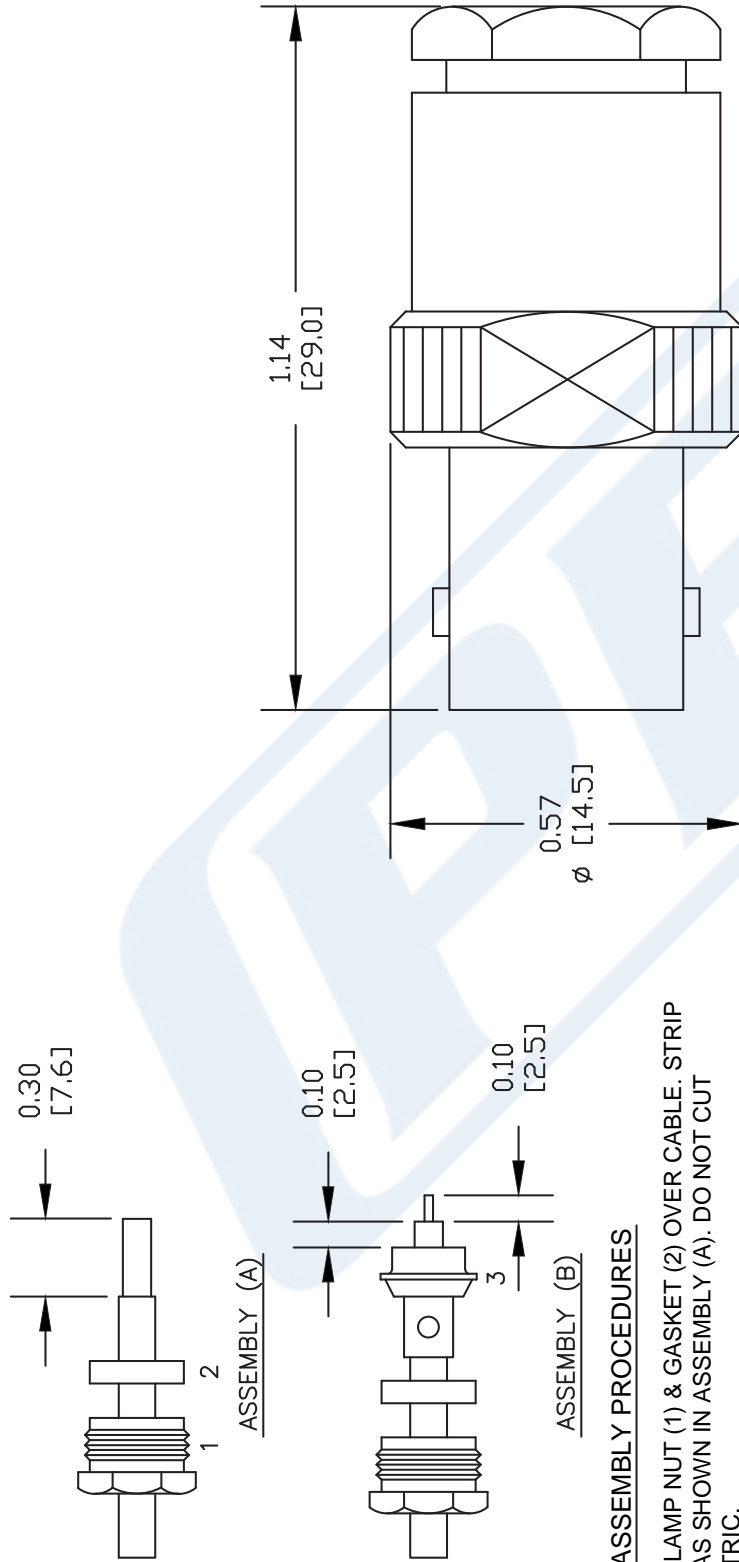
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REV. -

FSCM NO. 53919

CAD FILE

042309

SCALE N/A

SIZE A

147



## Low Loss .141 Semi-Rigid Coax Cable, Copper Outer Conductor, Microporous PTFE 76.5 pct VoP Dielectric, Straight Sections

### RF Cables Technical Data Sheet

PECX007

#### Configuration

- Low Loss Semi-Rigid Cable
- 1 Shield(s)

#### Features

- Continuous Copper Outer Conductor
- Low Density Microporous Dielectric
- Phase Stability vs. Temperature
- Mechanical Stability vs. Temperature
- High Isolation
- Supplied in 5 foot maximum straight lengths

#### Applications

- Low Loss Cabling
- Phase Matched Microporous Cables
- High Isolation Interconnects
- Surface Mount Cabling
- Semi-Rigid Cable Assemblies

#### Description

Pasternack's PECX007 low loss semi-rigid coax with copper outer conductor and microporous dielectric is part of our full line of RF components available for same-day shipping. This low loss semi-rigid coaxial cable operates to a maximum frequency range of 34 GHz. The outer conductor is served by a continuous copper tube which provides extremely high levels of RF shielding and low attenuation. The low density microporous dielectric of this semi rigid coax reduces the dielectric losses and also provides more phase stability over temperature when compared to solid PTFE dielectric. An additional benefit of the microporous dielectric is its mechanical stability over temperature. Unlike solid PTFE, this low density PTFE material can handle soldering heat with minimal or no measurable extrusion on the ends of the cable. This minimizes stress on connectors and allows for more predictable termination on PCB, surface mount applications.

Our microporous dielectric low loss semi-rigid coax cable, PECX007 datasheet specifications and drawing with dimensions are shown below in this PDF. Pasternack's broad catalog of RF, microwave and millimeter wave interconnects allows designers to configure and customize their signal connections however they like. Whether the need is to provide a high isolation, phase stable signal path or simply create a custom cable assembly configuration, Pasternack has the right cable for the job. Pasternack can also expertly build your custom cable assemblies for you and ship same-day.

#### Electrical Specifications

| Description             | Minimum | Typical | Maximum | Units |
|-------------------------|---------|---------|---------|-------|
| Frequency Range         | DC      |         | 34      | GHz   |
| Impedance               |         | 50      |         | Ohms  |
| Velocity of Propagation |         | 76.5    |         | %     |

Click the following link (or enter part number in "SEARCH" on website) to obtain additional part information including price, inventory and certifications: [Low Loss .141 Semi-Rigid Coax Cable, Copper Outer Conductor, Microporous PTFE 76.5 pct VoP Dielectric, Straight Sections PECX007](#)

# Low Loss .141 Semi-Rigid Coax Cable, Copper Outer Conductor, Microporous PTFE 76.5 pct VoP Dielectric, Straight Sections

## RF Cables Technical Data Sheet

PECX007

### Performance by Frequency Band

| Description           | F1    | F2    | F3    | F4     | F5     | Units    |
|-----------------------|-------|-------|-------|--------|--------|----------|
| Frequency             | 0.5   | 1     | 5     | 10     | 18     | GHz      |
| Attenuation, Typ      | 7.5   | 10.5  | 24    | 34     | 46     | dB/100ft |
|                       | 24.61 | 34.45 | 78.74 | 111.55 | 150.92 | dB/100m  |
| Input Power (CW), Max | 820   | 580   | 240   | 170    | 130    | Watts    |

| Description           | F6    | F7 | F8 | F9 | F10 | Units    |
|-----------------------|-------|----|----|----|-----|----------|
| Frequency             | 20    |    |    |    |     | GHz      |
| Attenuation, Typ      | 52    |    |    |    |     | dB/100ft |
|                       | 170.6 |    |    |    |     | dB/100m  |
| Input Power (CW), Max | 115   |    |    |    |     | Watts    |

### Mechanical Specifications

Min. Bend Radius (Installation) 0.5 in [12.7 mm]

### Construction Specifications

| Description     | Material and Plating                   | Diameter         |
|-----------------|--|------------------|
| Inner Conductor | Copper, Silver, 1 Strand<br>ASTM B-298 | 0.04 in 1.02 mm  |
| Conductor Type  | Solid                                  |                  |
| Dielectric      | Microporous PTFE                       | 0.118 in [3 mm]  |
| Outer Conductor | Copper                                 | 0.141 in 3.58 mm |

### Environmental Specifications

#### Temperature

Operating Range -65 to +200 deg C

Click the following link (or enter part number in "SEARCH" on website) to obtain additional part information including price, inventory and certifications: [Low Loss .141 Semi-Rigid Coax Cable, Copper Outer Conductor, Microporous PTFE 76.5 pct VoP Dielectric, Straight Sections PECX007](#)



## Low Loss .141 Semi-Rigid Coax Cable, Copper Outer Conductor, Microporous PTFE 76.5 pct VoP Dielectric, Straight Sections

### RF Cables Technical Data Sheet

PECX007

**Compliance Certifications** (see [product page](#) for current document)

#### Plotted and Other Data

Notes:

Low Loss .141 Semi-Rigid Coax Cable, Copper Outer Conductor, Microporous PTFE 76.5 pct VoP Dielectric, Straight Sections 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.

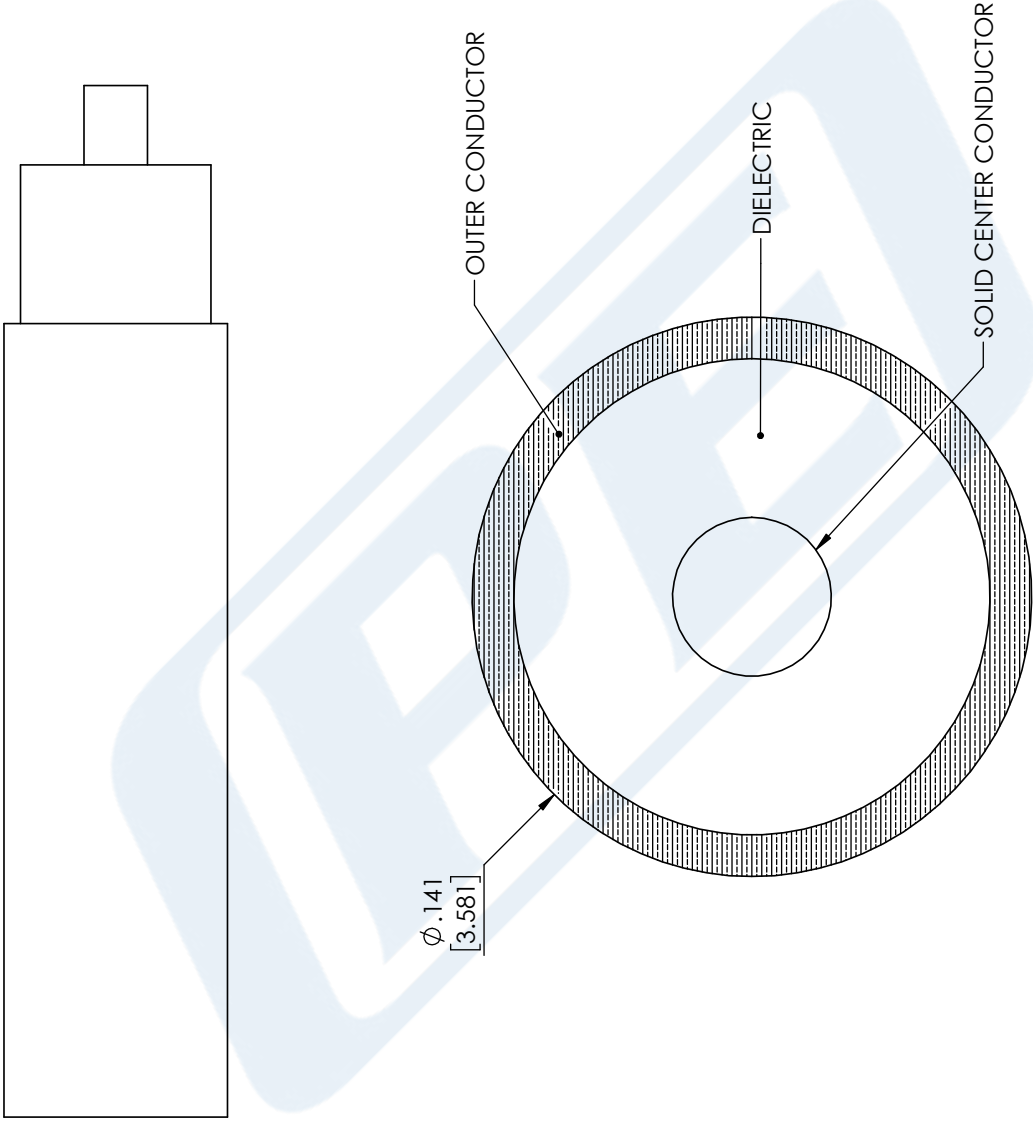
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URL: <https://www.pasternack.com/low-loss-semirigid-141-coax-cable-copper-straight-pecx007-p.aspx>

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PECX007 CAD Drawing

Low Loss .141 Semi-Rigid Coax Cable, Copper Outer Conductor,  
Microporous PTFE 76.5 pct VoP Dielectric, Straight Sections



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

\*STANDARD TOLERANCES APPLY  
ONLY TO DIMENSIONS IN INCHES



**PASTERNAK®**  
THE ENGINEER'S RF SOURCE  
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**Phone:** (949) 261-1920 | **Fax:** (949) 261-7451  
**Website:** [www.pasternack.com](http://www.pasternack.com) | **E-Mail:** [sales@pasternack.com](mailto:sales@pasternack.com)

|           |         |
|-----------|---------|
| DWG TITLE | PECX007 |
| CAGE CODE | 53919   |

|   |          |          |       |     |      |   |        |
|---|----------|----------|-------|-----|------|---|--------|
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|---|----------|----------|-------|-----|------|---|--------|