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# 3.5mm Female Connector Clamp/Solder Attachment for PE-SR402AL, PE-SR402FL, PE-SR402FLJ, PE-SR402TN, RG402

RF Connectors
Technical Data Sheet

PE45011

## Configuration

- 3.5mm Female Connector
- 50 Ohms
- Straight Body Geometry
- Connector Interface Types: PE-SR402AL, PE-SR-402FL, PE-SR402FLJ, PE-SR402TN, RG402

## Features

- Max. Operating Frequency 34 GHz
- Excellent VSWR of 1.2:1
- Gold over Nickel Plated Beryllium Copper Contact
- 50 µin minimum contact plating

## Applications

- General Purpose Test
- Custom Cable Assemblies

### Description

Pasternack's PE45011 3.5mm female connector with clamp/solder attachment for PE-SR402AL, PE-SR402FL, PE-SR402FLJ, PE-SR402TN and RG402 is part of our full line of RF components available for same-day shipping. Our 3.5mm female connector operates up to a maximum frequency of 34 GHz and offers excellent VSWR of 1.2:1.

Our 3.5mm female connector PE45011 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

| Description | Minimum | Typical | Maximum | Units |
|---|---|---|---|---|
| Frequency Range | DC | | 34 | GHz |
| VSWR | | | 1.2:1 | |

### Mechanical Specifications

**Size**

| | |
|---|---|
| Length | 0.862 in [21.89 mm] |
| Width/Dia. | 0.351 in [8.92 mm] |
| Weight | 0.012 lbs [5.44 g] |

Click the following link (or enter part number in "SEARCH" on website) to obtain additional part information including price, inventory and certifications: 3.5mm Female Connector Clamp/Solder Attachment for PE-SR402AL, PE-SR402FL, PE-SR402FLJ, PE-SR402TN, RG402 PE45011

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# 3.5mm Female Connector Clamp/Solder Attachment for PE-SR402AL, PE-SR402FL, PE-SR402FLJ, PE-SR402TN, RG402



**Material Specifications**

| Description | Material | Plating |
|---|---|---|
| Contact | Beryllium Copper | Gold over Nickel<br>50 µin minimum |
| Insulation | PCTFE | |
| Body | Passivated Stainless Steel | SAE-AMS-2700 |

## Environmental Specifications

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

## Plotted and Other Data

Notes:

3.5mm Female Connector Clamp/Solder Attachment for PE-SR402AL, PE-SR402FL, PE-SR402FLJ, PE-SR402TN, RG402 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: 3.5mm Female Connector Clamp/Solder Attachment for PE-SR402AL, PE-SR402FL, PE-SR402FLJ, PE-SR402TN, RG402 PE45011

URL: https://www.pasternack.com/3.5mm-female-pe-sr402al-pe-sr402fl-pe-sr402tn-rg402-connector-pe45011-p.aspx

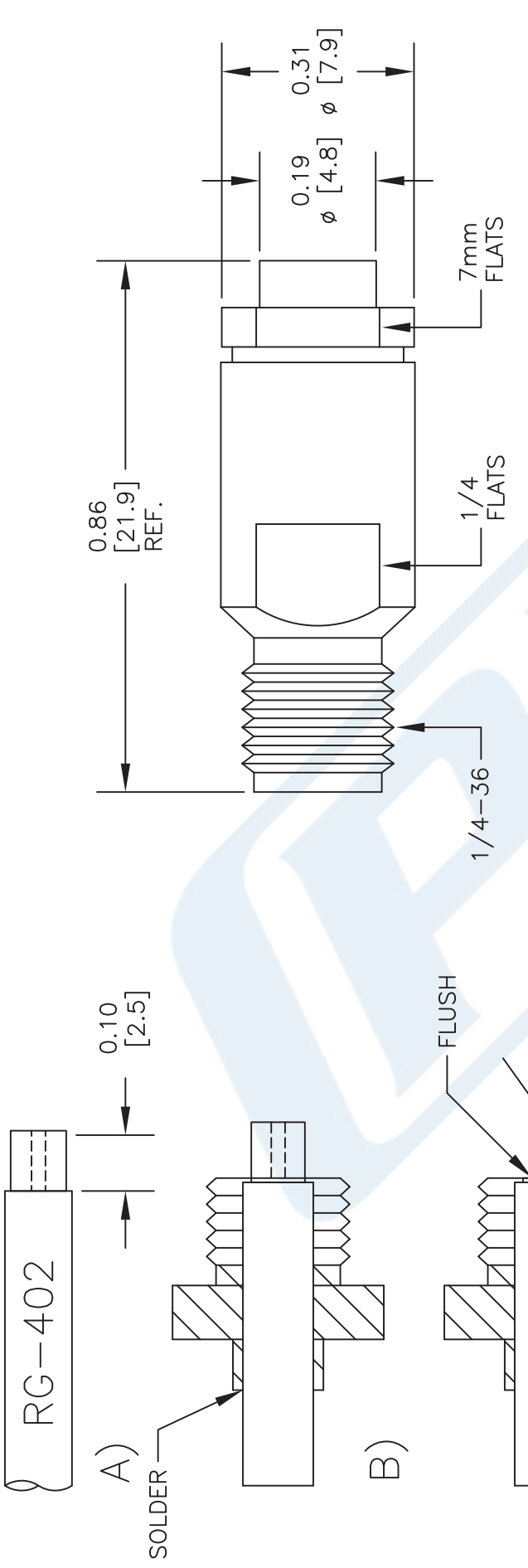
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# PE45011 CAD Drawing

3.5mm Female Connector Clamp/Solder Attachment for PE-SR402AL, PE-SR402FL, PE-SR402FLJ, PE-SR402TN, RG402




ASSEMBLY PROCEDURES

1. STRIP CABLE AS SHOWN IN (A). DO NOT NICK CENTER DIELECTRIC.
2. INSERT CABLE THROUGH CLAMP NUT AS SHOWN IN (B). SOLDER OUTER CONDUCTOR TO CLAMP NUT.
3. TRIM CABLE DIELECTRIC FLUSH FACE OF CLAMP AS SHOWN IN (C). POINT CABLE CENTER CONDUCTOR AS SHOWN IN (C)
4. 4. SCREW ASSEMBLY INTO BODY & TIGHTEN (25-30 IN-LBS).

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 **PE45011**

| CAD FILE | 031414 | SCALE N/A | SIZE A | 150 |
|---|---|---|---|---|

**FSCM NO. 53919**


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# BNC Male Right Angle Connector Solder Attachment for PE-SR402AL, PE-SR402FL, PE-SR402FLJ, PE-SR402TN, RG402

## RF Connectors
## Technical Data Sheet

**PE4092**

## Configuration

- BNC Male Connector
- MIL-STD-348A
- 50 Ohms
- Right Angle Body Geometry
- Connector Interface Types: PE-SR402AL, PE-SR-402FL, PE-SR402FLJ, PE-SR402TN, RG402

## Features

- Max. Operating Frequency 4 GHz
- Good VSWR of 1.35:1
- Gold Plated Brass Contact
- 30 µin minimum contact plating

## Applications

- General Purpose Test
- Custom Cable Assemblies

### Description

Pasternack's PE4092 BNC male right angle connector with solder/solder attachment for PE-SR402AL, PE-SR402FL, PE-SR402FLJ, PE-SR402TN and RG402 is part of our full line of RF components available for same-day shipping. Our BNC male connector operates up to a maximum frequency of 4 GHz and offers good VSWR of 1.35:1. Its right angle body geometry allows for easier connections in tight spaces.

Our BNC male right angle connector PE4092 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

| Description | Minimum | Typical | Maximum | Units |
|---|---|---|---|---|
| Frequency Range | DC | | 4 | GHz |
| VSWR | | | 1.35:1 | |
| Operating Voltage (AC) | | | 500 | Vrms |

### Mechanical Specifications

**Size**

| | |
|---|---|
| Length | 0.89 in [22.61 mm] |
| Width/Dia. | 0.57 in [14.48 mm] |
| Height | 0 in [0 mm] |
| Weight | 0.029 lbs [13.15 g] |

Click the following link (or enter part number in "SEARCH" on website) to obtain additional part information including price, inventory and certifications: BNC Male Right Angle Connector Solder Attachment for PE-SR402AL, PE-SR402FL, PE-SR402FLJ, PE-SR402TN, RG402 PE4092

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# BNC Male Right Angle Connector Solder Attachment for PE-SR402AL, PE-SR402FL, PE-SR402FLJ, PE-SR402TN, RG402

## RF Connectors
## Technical Data Sheet

**PE4092**

### Material Specifications

| Description | Material | Plating |
|---|---|---|
| Contact | Brass | Gold<br>30 µin minimum |
| Insulation | PTFE | |
| Body | Brass | Gold |
| Coupling Nut | Brass | Nickel<br>100 µin minimum |

### Environmental Specifications

**Temperature**

Operating Range -65 to 165 deg C

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

### Plotted and Other Data

Notes:

BNC Male Right Angle Connector Solder Attachment for PE-SR402AL, PE-SR402FL, PE-SR402FLJ, PE-SR402TN, RG402 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: BNC Male Right Angle Connector Solder Attachment for PE-SR402AL, PE-SR402FL, PE-SR402FLJ, PE-SR402TN, RG402 PE4092

URL: https://www.pasternack.com/bnc-male-pe-sr402al-pe-sr402fl-rg402-connector-pe4092-p.aspx

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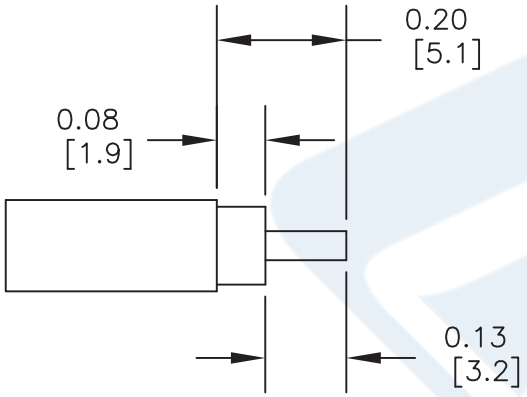
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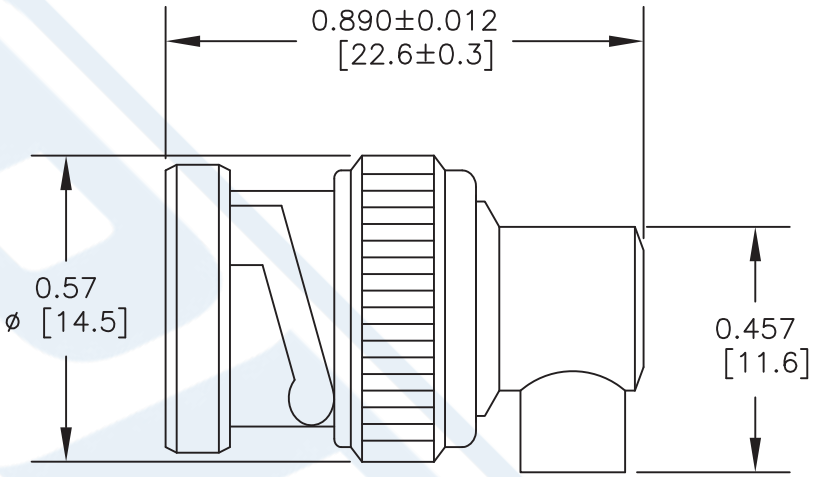
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# PE4092 CAD Drawing

BNC Male Right Angle Connector Solder Attachment for PE-SR402AL, PE-SR402FL, PE-SR402FLJ, PE-SR402TN, RG402




STRIPPING DIMENSIONS
ASSEMBLY PROCEDURES

1. STRIP CABLE AS SHOWN & TIN CENTER CONDUCTOR.

2. INSERT CABLE INTO BODY UNTIL OUTER CONDUCTOR BOTTOMS ON WITH CONNECTOR SHOULDER, THE CENTER CONDUCTOR WILL PROTUDE INTO CONTACT SLOT.

3. SOLDER CENTER CONDUCTOR INTO SLOT AND OUTER CONDUCTOR TO BODY. INSERT PTFE INTO CONNECTOR & PRESS CAP DOWN.

| STANDARD TOLERANCES | |
|---|---|
| .X | ±0.2 |
| .XX | ±0.1 |
| .XXX | ±0.05 |

*STANDARD TOLERANCES APPLY ONLY TO DIMENSIONS IN INCHES

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DWG TITLE

**PE4092**

NOTES:
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3. DIMENSIONS ARE IN INCHES [mm].

| FSCM NO. 53919 | CAD FILE 040116 | SCALE N/A | SIZE A | 3045 |
|---|---|---|---|---|

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# 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

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# 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

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



**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.

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

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

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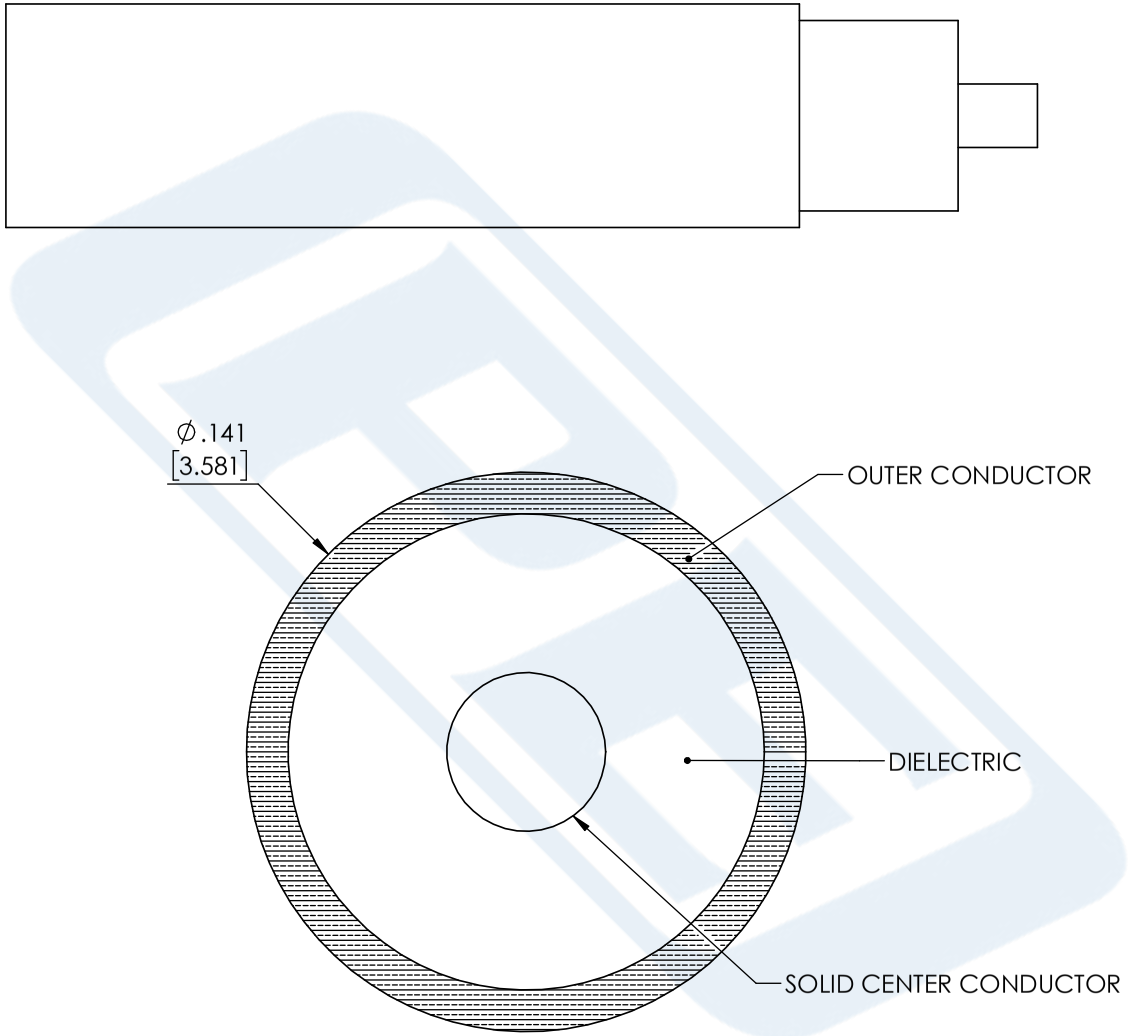
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# PECX007 CAD Drawing

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

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**DWG TITLE**
PECX007

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| CAGE CODE 53919 | CAD FILE 06/14/18 | SCALE N/A | SIZE A | CN2245 |
|---|---|---|---|---|