

3.5mm Male Connector Clamp/Solder Attachment  
For PE-SR402AL, PE-SR402FL, RG402



**TECHNICAL DATA SHEET**

**PE4981**

**3.5mm Male Connector Clamp/Solder Attachment For PE-SR402AL, PE-SR402FL, RG402**

**Configuration**

|                                          |                               |
|------------------------------------------|-------------------------------|
| Connector                                | 3.5mm Male                    |
| Connector Interface Type                 | PE-SR402AL, PE-SR402FL, RG402 |
| Cable Attachment Method (Shield/Contact) | Clamp/Solder                  |
| Body Style                               | Straight                      |

**Electrical Specifications**

|                 |    |
|-----------------|----|
| Impedance, Ohms | 50 |
|-----------------|----|

**Mechanical Specifications**

**Size**

|                     |              |
|---------------------|--------------|
| Length, in [mm]     | 0.86 [21.84] |
| Width/Dia., in [mm] | 0.32 [8]     |
| Weight, lbs [g]     | 0.013 [5.9]  |

**Connector**

|                                    |                            |
|------------------------------------|----------------------------|
| Type                               | 3.5mm Male                 |
| Contact Material and Plating       | Beryllium Copper, Gold     |
| Contact Plating Specification      | 50µ in. minimum            |
| Coupling Nut Material and Plating  | Passivated Stainless Steel |
| Coupling Nut Plating Specification | SAE-AMS-2700               |
| Hex Size, in.                      | 5/16                       |
| Torque, in-lbs [Nm]                | 8 [0.9]                    |
| Body Material and Plating          | Passivated Stainless Steel |
| Body Plating Specification         | SAE-AMS-2700               |
| Dielectric Type                    | PCTFE                      |

**Compliance Certifications** (visit [www.Pasternack.com](http://www.Pasternack.com) for current document)

|                |     |
|----------------|-----|
| RoHS Compliant | Yes |
|----------------|-----|

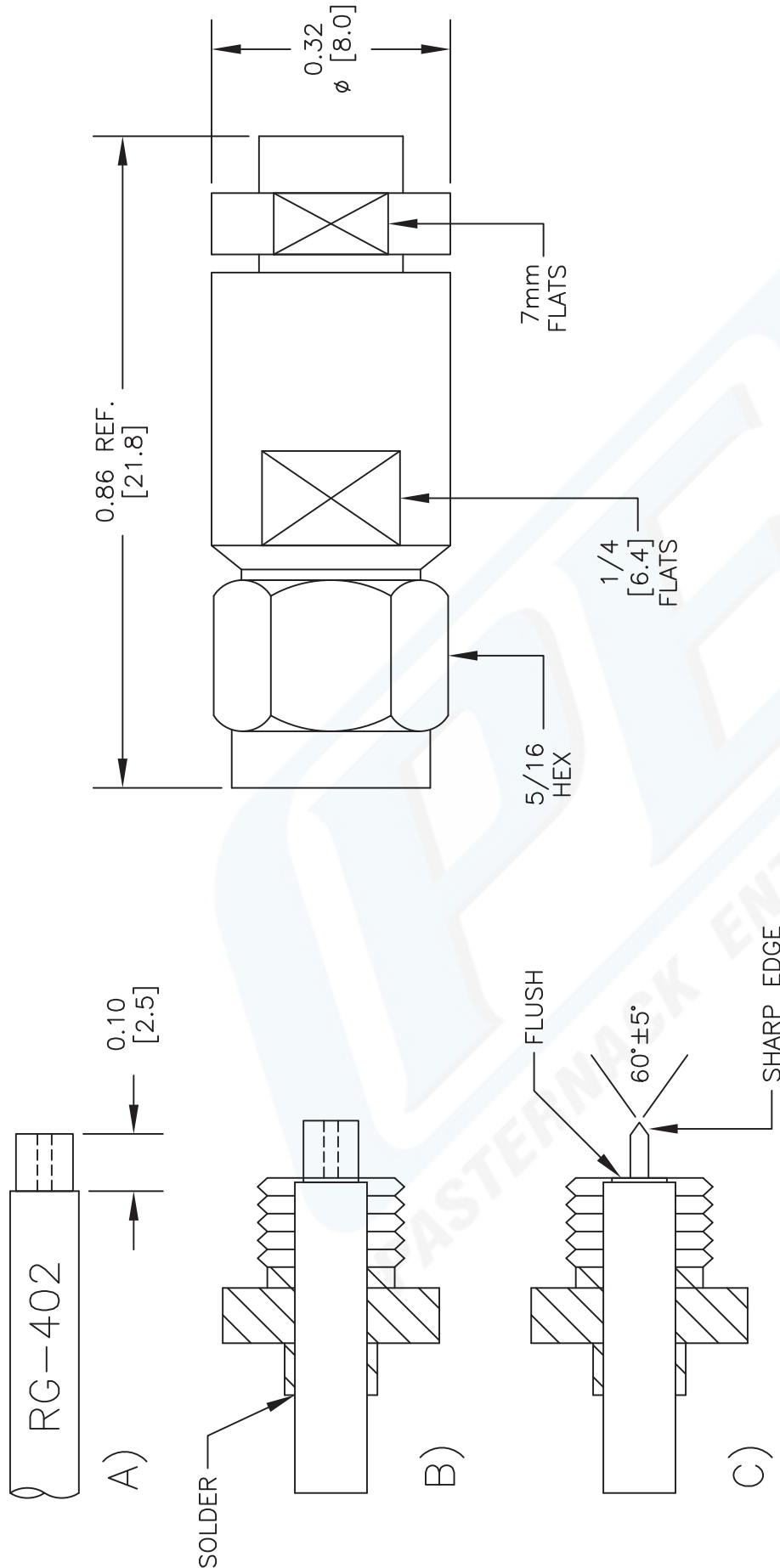
**Plotted and Other Data**

|        |                            |
|--------|----------------------------|
| Notes: | Values at 25 °C, sea level |
|--------|----------------------------|

URL: <http://www.pasternack.com/3.5mm-male-standard-pe-sr402al-pe-sr402fl-rg402-connector-pe4981-p.aspx>

3.5mm Male Connector Clamp/Solder Attachment For PE-SR402AL, PE-SR402FL, RG402 from Pasternack Enterprises has same day shipment for domestic and International orders. We maintain 99% availability of the industry's broadest selection of RF, microwave and fiber optic products.

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### 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 DIELECTRIC AS SHOWN IN (C).
4. SCREW ASSEMBLY INTO BODY & TIGHTEN.



**PASTERNAK ENTERPRISES, INC.**  
P.O. BOX 16759, IRVINE, CA 92623  
PHONE (949) 261-1920 FAX (949) 261-7451  
WEB ADDRESS: [www.pasternack.com](http://www.pasternack.com)  
E-MAIL ADDRESS: [sales@pasternack.com](mailto:sales@pasternack.com)  
**COAXIAL & FIBER OPTICS**

DWG TITLE

**PE4981**

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. A

FSCM NO. 53919

CAD FILE 051812

SCALE N/A

SIZE A

2233

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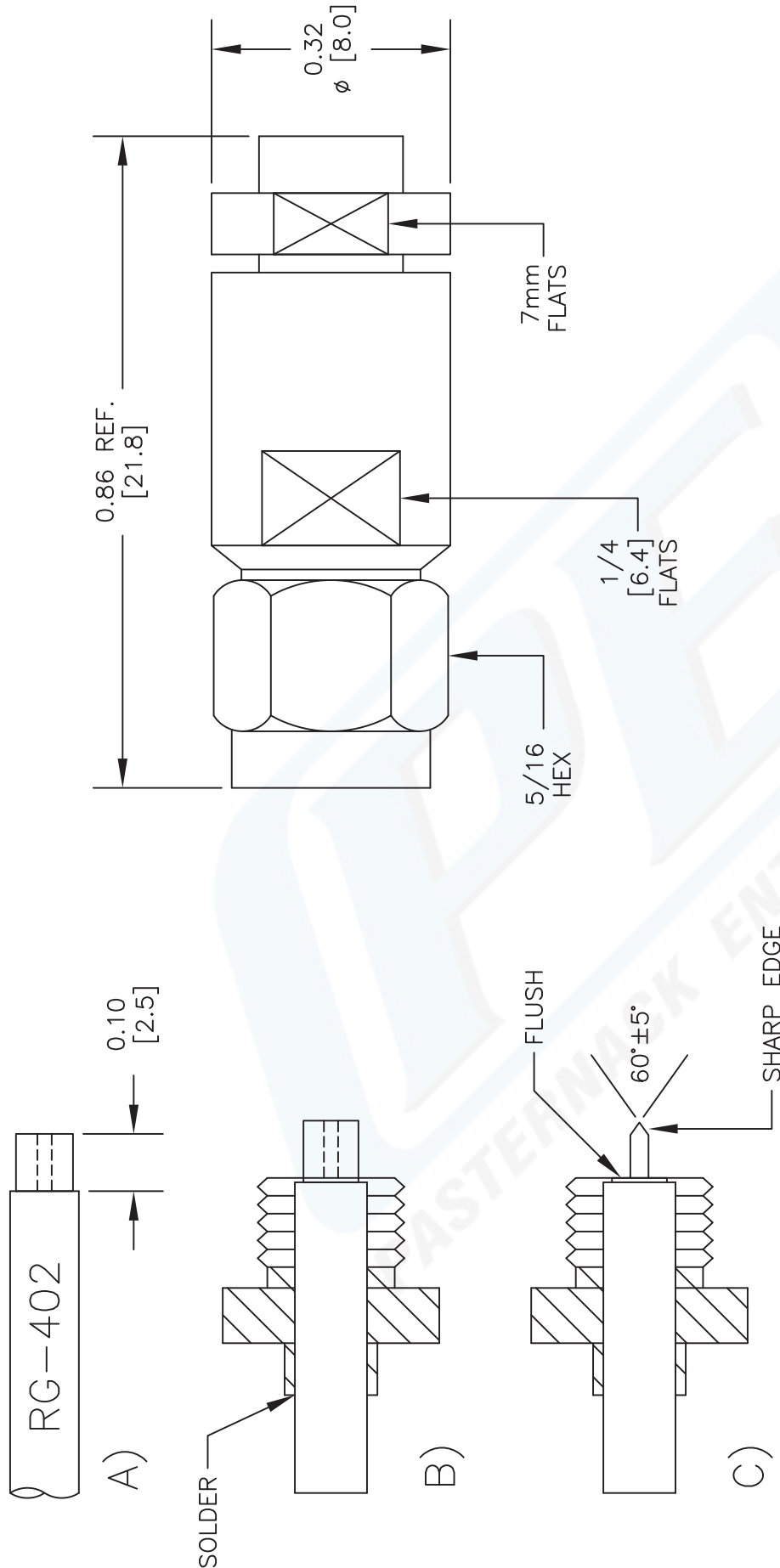
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## RG402 Coax Cable with Tinned Copper Outer Conductor

## TECHNICAL DATA SHEET

PE-SR402TN

## RG402 Tinned Coax Cable with Tinned Copper Outer Conductor

## Configuration

|                                      |                           |
|--------------------------------------|---------------------------|
| Cable Specification                  | MIL-C-17                  |
| Inner Conductor Material and Plating | Copper Clad Steel, Silver |
| Dielectric Type                      | PTFE                      |
| Shield Materials                     | Tinned Copper             |

## Electrical Specifications

|                                  |    |
|----------------------------------|----|
| Impedance, Ohms                  | 50 |
| Maximum Operating Frequency, GHz | 36 |

## Electrical Specifications by Frequency

## Frequency 1

|                                 |            |
|---------------------------------|------------|
| Frequency, MHz                  | 1000       |
| Attenuation, dB/100ft [dB/100m] | 12 [39.37] |
| Power Handling, Watts           | 450        |

## Frequency 2

|                                 |             |
|---------------------------------|-------------|
| Frequency, GHz                  | 10          |
| Attenuation, dB/100ft [dB/100m] | 45 [147.64] |
| Power Handling, Watts           | 120         |

## Frequency 3

|                                 |             |
|---------------------------------|-------------|
| Frequency, GHz                  | 20          |
| Attenuation, dB/100ft [dB/100m] | 70 [229.66] |
| Power Handling, Watts           | 70          |

## Mechanical Specifications

## Temperature

|                        |             |
|------------------------|-------------|
| Operating Range, deg C | -55 to +125 |
|------------------------|-------------|

## Inner Conductor

|                   |                   |
|-------------------|-------------------|
| Material          | Copper Clad Steel |
| Plating           | Silver            |
| Diameter, in [mm] | 0.036 [0.91]      |

## Dielectric:

|                   |           |
|-------------------|-----------|
| Type              | PTFE      |
| Diameter, in [mm] | 0.118 [3] |

Click the following link (or enter part number in "SEARCH" on website) to obtain additional part information including price, inventory and certifications: [RG402 Tinned Coax Cable with Tinned Copper Outer Conductor PE-SR402TN](#)

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## RG402 Coax Cable with Tinned Copper Outer Conductor

## TECHNICAL DATA SHEET

PE-SR402TN

**Shield:**

|                   |               |
|-------------------|---------------|
| Number of         | 1             |
| Material 1        | Tinned Copper |
| Diameter, in [mm] | 0.141 [3.58]  |

**Jacket:**

|                                       |              |
|---------------------------------------|--------------|
| One Time Minimum Bend Radius, in [mm] | 1 [25.4]     |
| Weight, lbs/ft [Kg/m]                 | 0.036 [0.05] |

**Compliance Certifications** (visit [www.Pasternack.com](http://www.Pasternack.com) for current document)**Plotted and Other Data**

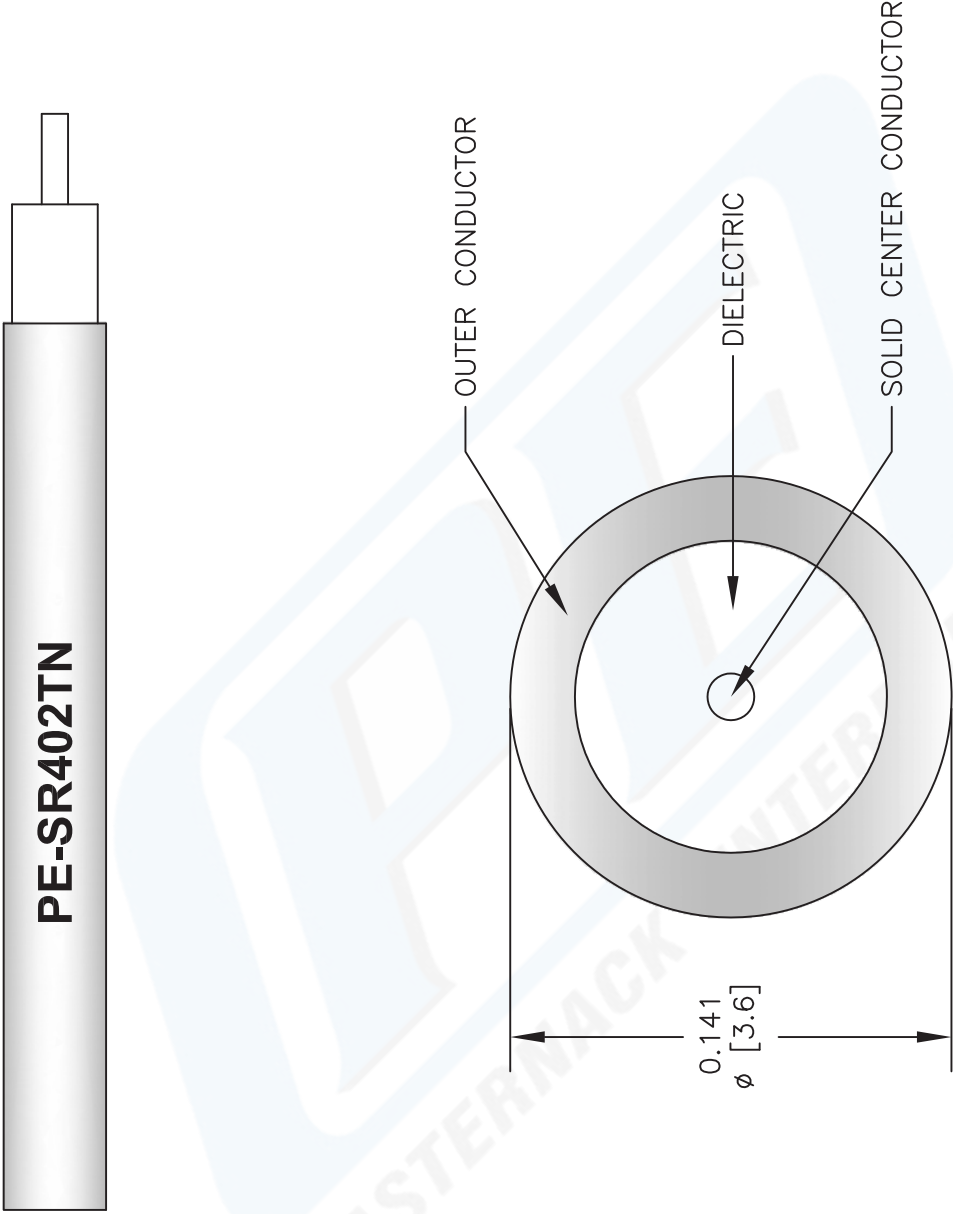
Notes: Values at 25 °C, sea level

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URL: <http://www.pasternack.com/50-ohm-semi-rigid-rg402-tinned-tinned-copper-pe-sr402tn-p.aspx>

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**PE-SR402TN**

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CAD FILE 073113

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