



SMA Male Connector Solder Attachment for PE-SR402AL, PE-SR402FL, PE-SR402FLJ, PE-SR402TN, RG402

RF Connectors Technical Data Sheet

PE44691

Configuration

- SMA Male Connector
- 50 Ohms
- Straight Body Geometry
- PE-SR402AL, PE-SR402FL, PE-SR402FLJ, PE-SR402TN, RG402 Interface Type
- Solder Attachment
- 5/16 inch Hex

Features

- Max. Operating Frequency 18 GHz

Applications

- General Purpose Test
- Custom Cable Assemblies

Description

Pasternack's PE44691 SMA male connector with 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 SMA male connector operates up to a maximum frequency of 18 GHz.

Our SMA male connector PE44691 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 | | 18 | GHz |

Mechanical Specifications

| Size | |
|---------------|----------------------------------|
| Length | 0.441 in [11.2 mm] |
| Width/Dia. | 0.315 in [8.00 mm] |
| Weight | 0.005 lbs [2.27 g] |
| Mating Torque | 8 to 10 in-lbs [0.90 to 1.13 Nm] |

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 Solder Attachment for PE-SR402AL, PE-SR402FL, PE-SR402FLJ, PE-SR402TN, RG402 PE44691](#)



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RF Connectors Technical Data Sheet

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Material Specifications

| Description | Material | Plating |
|--------------|----------------------------|------------------|
| Body | Brass | Gold over Nickel |
| Coupling Nut | Passivated Stainless Steel | |

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

Plotted and Other Data

Notes:

SMA Male 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.

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URL: <https://www.pasternack.com/sma-male-standard-pe-sr402al-pe-sr402fl-pe-sr402flj-connector-pe44691-p.aspx>

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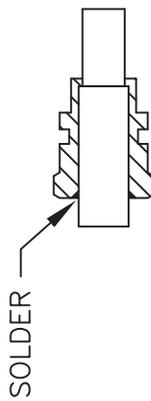
PE44691 CAD Drawing

SMA Male Connector Solder Attachment for PE-SR402AL, PE-SR402FL, PE-SR402FLJ, PE-SR402TN, RG402

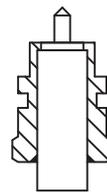
ASSEMBLY PROCEDURES



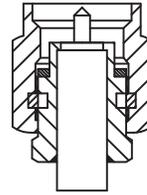
1. STRIP CABLE AS SHOWN.



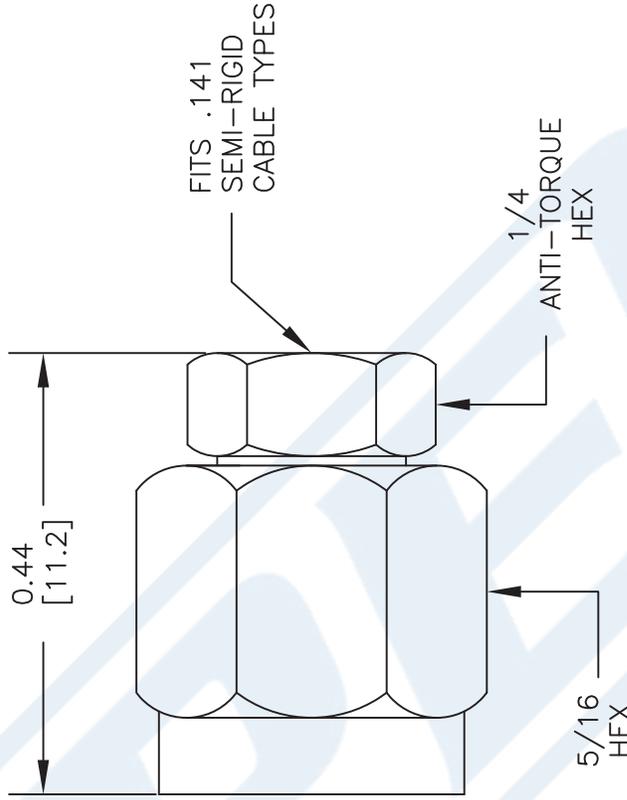
2. SOLDER CONNECTOR BODY.



3. TRIM DIELECTRIC, DO NOT NICK CENTER CONDUCTOR AND POINT THE CENTER CONTACT OF CABLE.



4. INSTALL THE COUPLING NUT.



DWG TITLE

PE44691

NOTES:
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 3. DIMENSIONS ARE IN INCHES [mm].
 4. FITS MIL-C-17 AND EQUIVALENT CABLES.

REV. A

FSCM NO. 53919

CAD FILE 050412

SCALE N/A

SIZE A

2233

PE PASTERNAK
 THE ENGINEER'S RF SOURCE

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



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Plotted and Other Data

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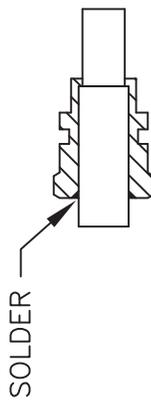
PE44691 CAD Drawing

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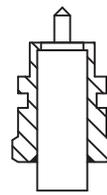
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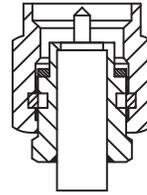
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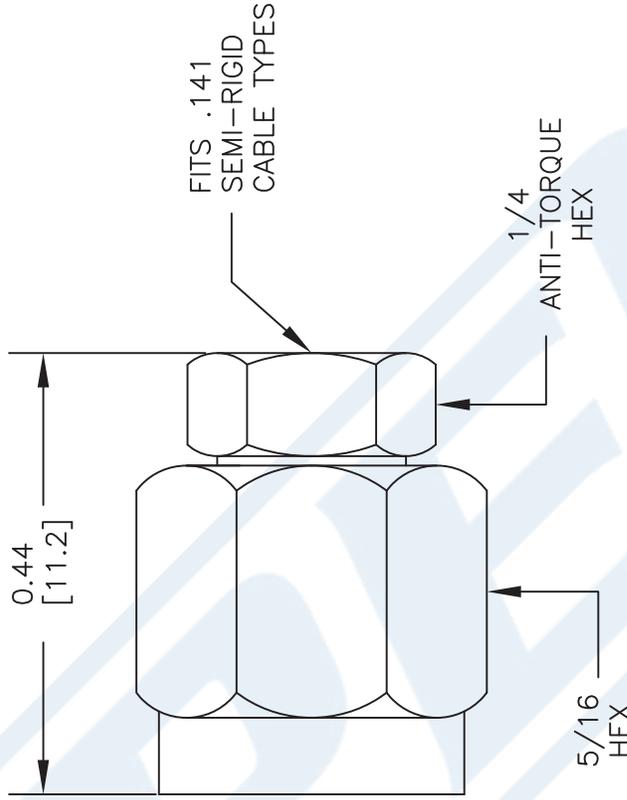
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3. TRIM DIELECTRIC, DO NOT NICK CENTER CONDUCTOR AND POINT THE CENTER CONTACT OF CABLE.



4. INSTALL THE COUPLING NUT.



DWG TITLE

PE44691

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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 for current document)

Plotted and Other Data

Notes: Values at 25 °C, sea level

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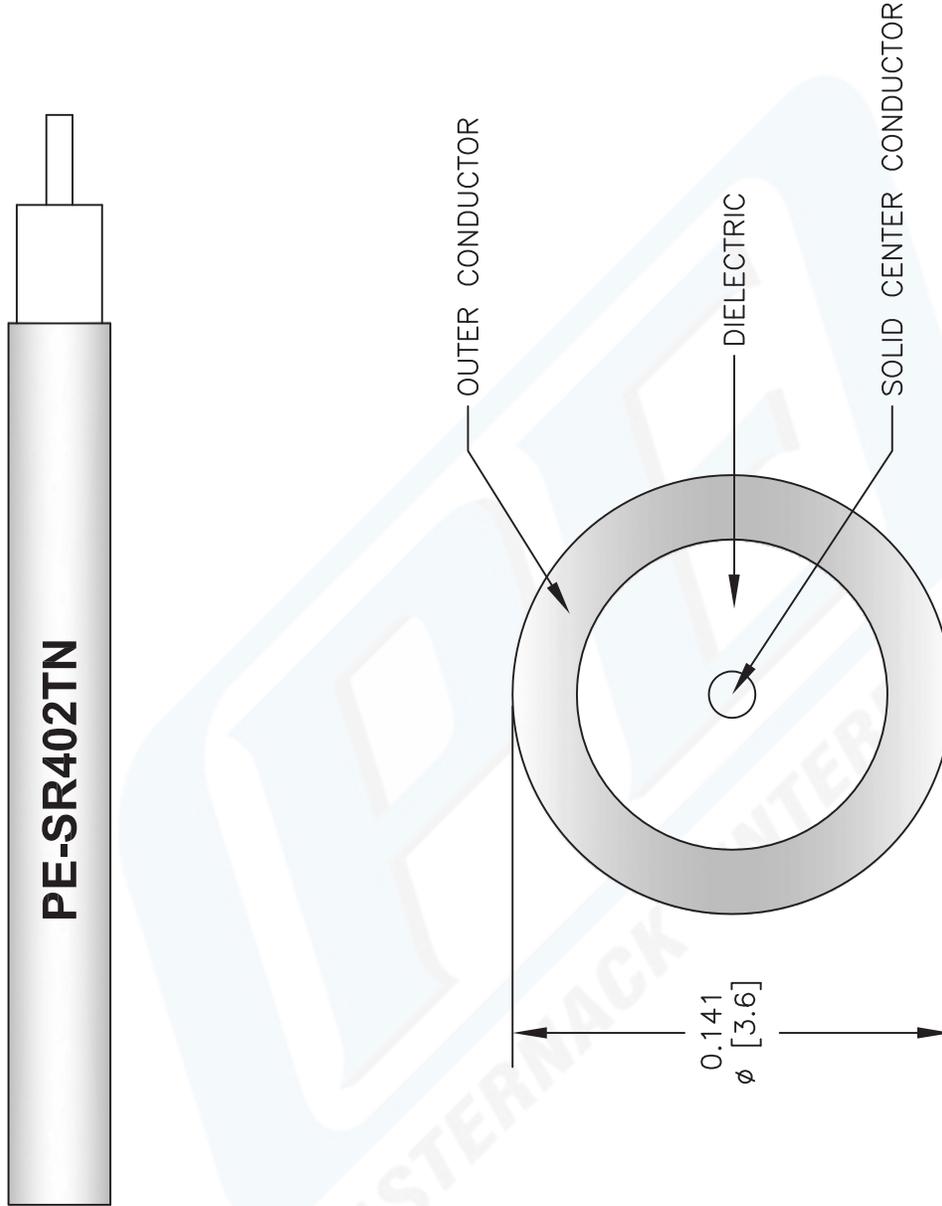
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URL: <http://www.pasternack.com/50-ohm-semi-rigid-rg402-tinned-tinned-copper-pe-sr402tn-p.aspx>

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PE-SR402TN CAD Drawing

RG402 Coax Cable with Tinned Copper Outer Conductor



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DWG TITLE
PE-SR402TN

FSCM NO. 53919

CAD FILE 073113

SCALE N/A

SIZE A

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