PASTERNACK®
THE ENGINEER'S RF SOURCE

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



RF Connectors Technical Data Sheet PE44701

Configuration

- N Male Connector
- 50 Ohms
- Straight Body Geometry
- PE-SR402AL, PE-SR402FL, PE-SR402FLJ, PE-SR402TN, RG402 Interface Type
- Solder/Solder Attachment

Features

- Max. Operating Frequency 11 GHz
- Good VSWR of 1.35:1
- Gold over Nickel Plated Brass Contact

Applications

- General Purpose Test
- Custom Cable Assemblies

Description

Pasternack's PE44701 type N male 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 type N male connector operates up to a maximum frequency of 11 GHz and offers good VSWR of 1.35:1.

Our type N male connector PE44701 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		11	GHz
VSWR			1.35:1	

Mechanical Specifications

Size

Length	1 in [25.4 mm]
Width/Dia.	0.79 in [20.07 mm]
Weight	0.058 lbs [26.31 g]

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 Solder Attachment for PE-SR402AL, PE-SR402FL, PE-SR402FLJ, PE-SR402TN, RG402 PE44701

Pasternack Enterprises, Inc. • P.O. Box 16759, Irvine, CA 92623
Phone: (866) 727-8376 or (949) 261-1920 • **Fax:** (949) 261-7451
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RF Connectors Technical Data Sheet PE44701

Material Specifications

Description	Material	Plating
Contact	Brass	Gold over Nickel
Insulation	PTFE	
Body	Brass	Nickel
Coupling Nut	Brass	Nickel

Environmental Specifications

Compliance Certifications (see product page for current document)

Plotted and Other Data

Notes:

Assembly Instruction

N 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/n-male-standard-pe-sr402al-pe-sr402fl-pe-sr402flj-connector-pe44701-p.aspx

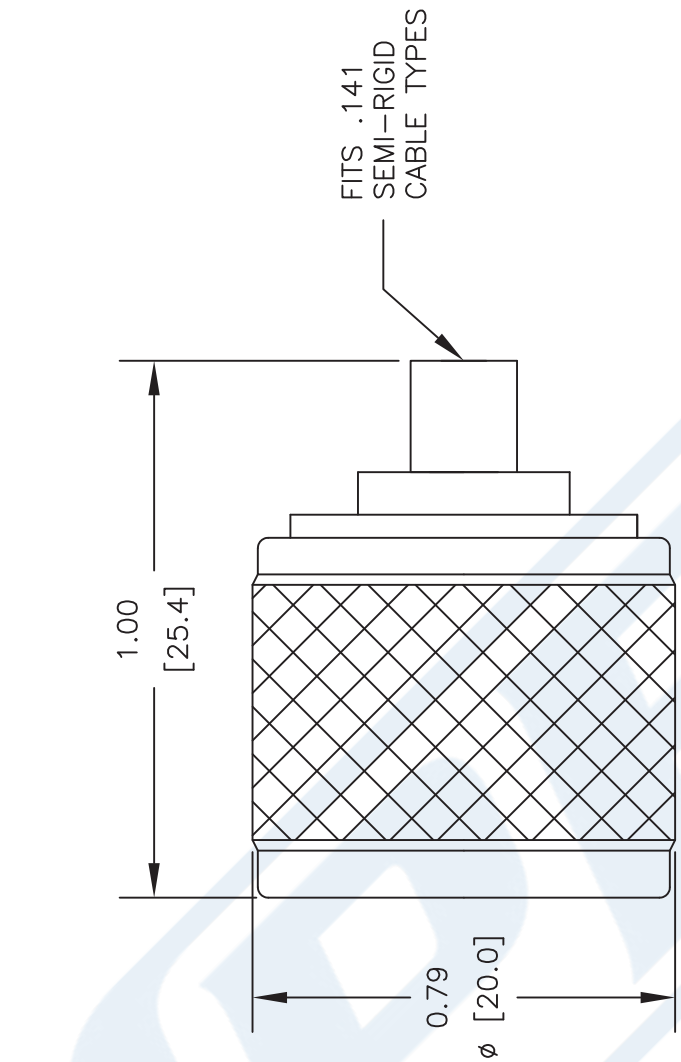
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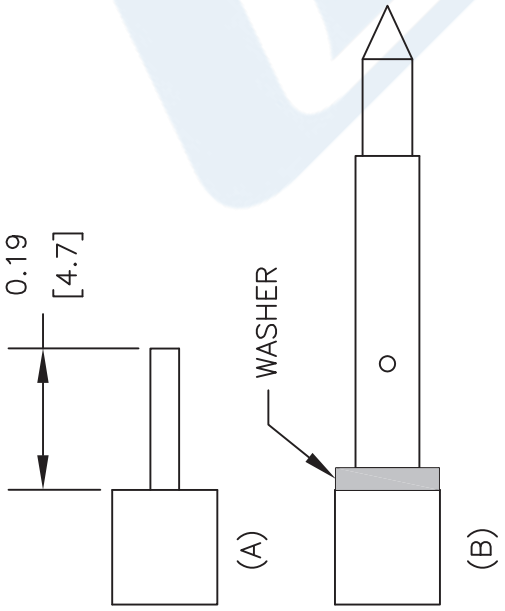
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PE44701 CAD Drawing

N Male Connector 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 CONDUCTOR.
2. PLACE WASHER OVER CENTER CONDUCTOR. SOLDER CONTACT TO CENTER CONDUCTOR AS SHOWN IN (B).
3. INSERT CABLE INTO BODY UNTIL OUTER CONDUCTOR BOTTOMS OUT. SOLDER OUTER CONDUCTOR TO BODY.

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.

DWG TITLE **PE44701**

REV. -	FSCM NO. 53919	CAD FILE 062211	SCALE N/A	SIZE A	2231

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RF Connectors Technical Data Sheet PE44701

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Electrical Specifications

Description	Minimum	Typical	Maximum	Units
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VSWR			1.35:1	

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RF Connectors Technical Data Sheet PE44701

Material Specifications

Description	Material	Plating
Contact	Brass	Gold over Nickel
Insulation	PTFE	
Body	Brass	Nickel
Coupling Nut	Brass	Nickel

Environmental Specifications

Compliance Certifications (see product page for current document)

Plotted and Other Data

Notes:

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URL: https://www.pasternack.com/n-male-standard-pe-sr402al-pe-sr402fl-pe-sr402flj-connector-pe44701-p.aspx

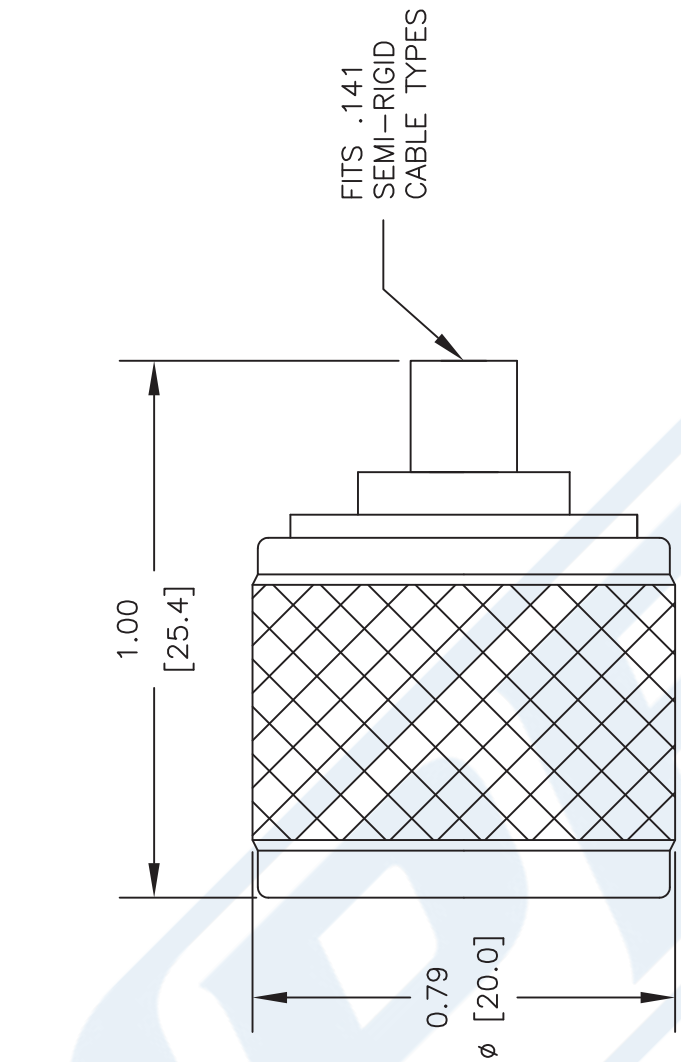
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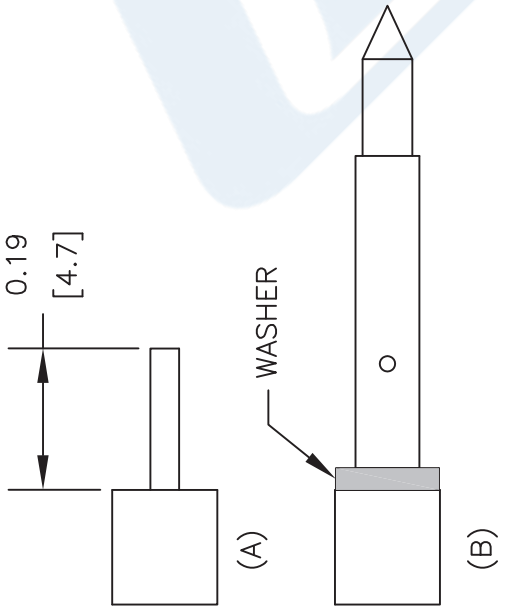
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PE44701 CAD Drawing

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





ASSEMBLY PROCEDURES

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DWG TITLE **PE44701**

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RG402 Tinned Coax Cable with Tinned Copper Outer Conductor

RF Cables
Technical Data Sheet

PE-SR402TN

Configuration

- Semi-Rigid Cable
- MIL-C-17

Electrical Specifications

Description	Minimum	Typical	Maximum	Units
Frequency Range	DC		36	GHz
Impedance		50		Ohms
Velocity of Propagation		69.5		%

Performance by Frequency Band

Description	F1	F2	F3	F4	F5	Units
Frequency	1	10	20			GHz
Attenuation, Typ	12	45	70			dB/100ft
	39.37	147.64	229.66			dB/100m
Input Power (CW), Max	450	120	70			Watts

Mechanical Specifications

Min. Bend Radius (Installation) 1 in [25.4 mm]

Construction Specifications

Description	Material and Plating	Diameter
Inner Conductor	Copper Clad Steel, Silver, Strand	0.036 in [0.91 mm]
Conductor Type	Solid	
Dielectric	PTFE	0.118 in [3 mm]
Outer Conductor	Tinned Copper	0.141 in [3.58 mm]

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 Tinned Coax Cable with Tinned Copper Outer Conductor

RF Cables
Technical Data Sheet

PE-SR402TN

Environmental Specifications

Temperature

Operating Range	-55 to +125 deg C

Compliance Certifications (see product page for current document)

Plotted and Other Data

Notes:

RG402 Tinned Coax Cable with Tinned Copper Outer Conductor 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: RG402 Tinned Coax Cable with Tinned Copper Outer Conductor PE-SR402TN

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

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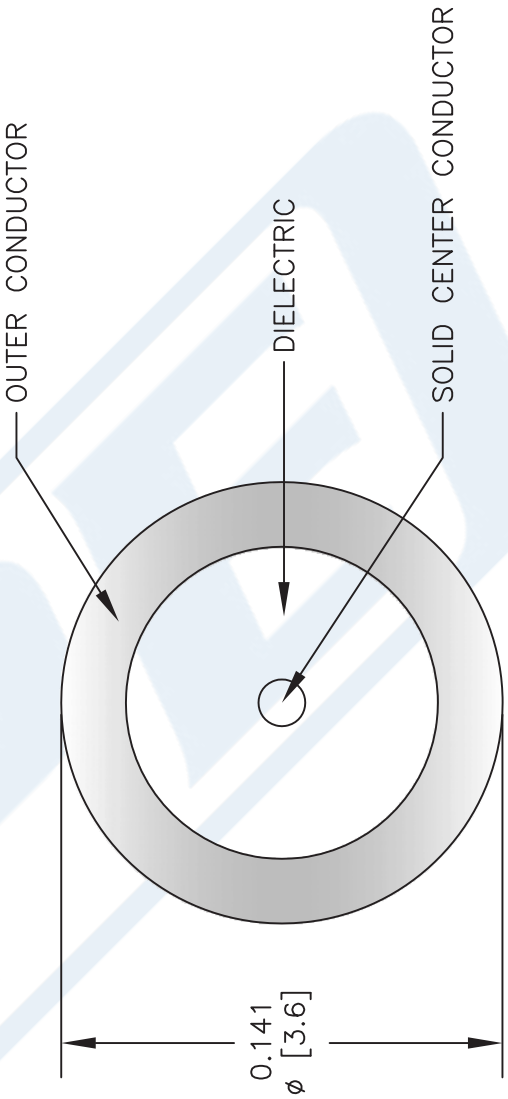
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PE-SR402TN CAD Drawing

RG402 Tinned Coax Cable with Tinned Copper Outer Conductor





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DWG TITLE	CAD FILE	SCALE	SIZE
PE-SR402TN	073113	N/A	A
FSCM NO. 53919			2233

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