PASTERNACK®
THE ENGINEER'S RF SOURCE

N Male Right Angle Connector Clamp/Solder Attachment for PE-SR401AL, PE-SR401FL, RG401

TECHNICAL DATA SHEET PE4935

Configuration

Connector	N Male
Connector Specification	MIL-STD-348A
Connector Interface Type	PE-SR401AL, PE-SR401FL, RG401
Attachment Method (Shield/Contact)	Clamp/Solder
Body Style	Right Angle

Electrical Specifications

Impedance	50 Ohms

Mechanical Specifications

Size

Length	1.96 in [49.78 mm]
Width/Dia.	0.75 in [19.05 mm]
Height	1.29 in [32.77 mm]
Weight	0.22 lbs [99.79 g]

Connector

Type	N Male
Contact Material and Plating	Brass, Gold
Contact Plating Specification	30µ in. minimum
Coupling Nut Material and Plating	Brass, Nickel
Coupling Nut Plating Specification	100µ in. minimum
Body Material and Plating	Brass, Nickel
Body Plating Specification	100µ in. minimum
Dielectric Type	Teflon

Compliance Certifications (visit www.Pasternack.com for current document)

RoHS Compliant

Click the following link (or enter part number in "SEARCH" on website) to obtain additional part information including price, inventory and certifications: N Male Right Angle Connector Clamp/Solder Attachment for PE-SR401AL, PE-SR401FL, RG401 PE4935

Pasternack Enterprises, Inc. • P.O. Box 16759, Irvine, CA 92623
Phone: (866) 727-8376 or (949) 261-1920 • **Fax:** (949) 261-7451
Sales@Pasternack.com • Techsupport@Pasternack.com

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TECHNICAL DATA SHEET PE4935

Plotted and Other Data

Notes:

- Values at +25 °C, sea level

N Male Right Angle Connector Clamp/Solder Attachment for PE-SR401AL, PE-SR401FL, RG401 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: http://www.pasternack.com/n-male-standard-pe-sr401al-pe-sr401fl-rg401-connector-pe4935-p.aspx

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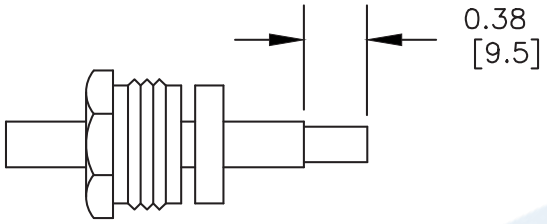
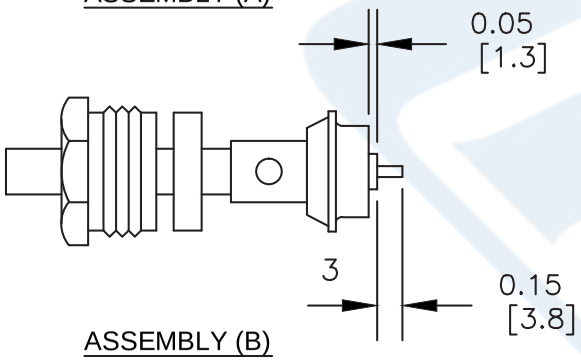
PE4935 CAD Drawing

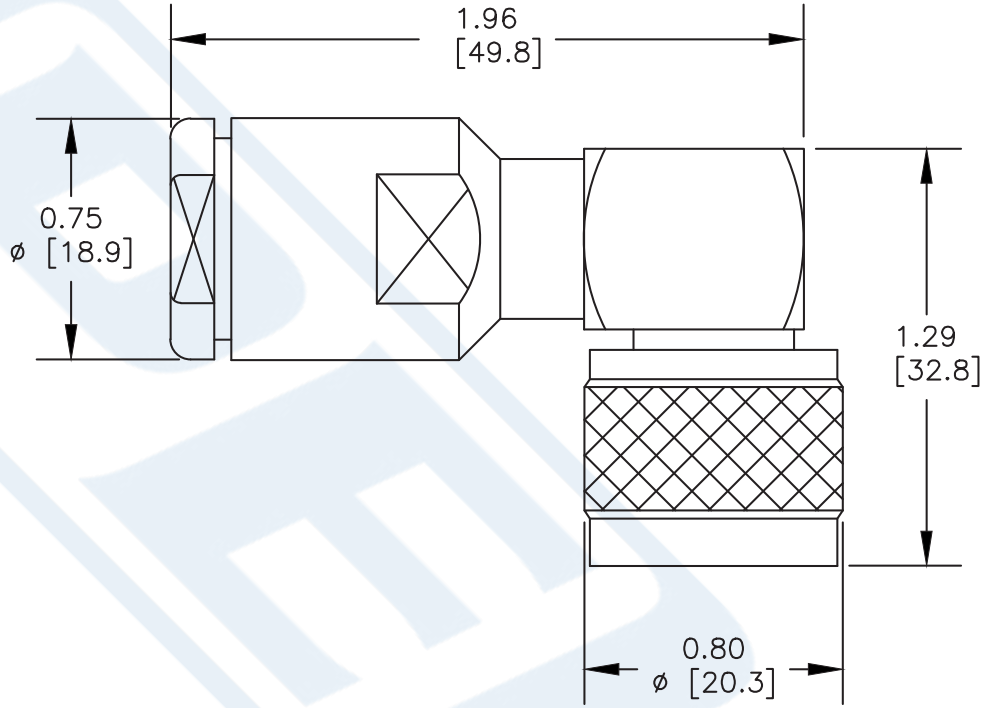
N Male Right Angle Connector Clamp/Solder Attachment
for PE-SR401AL, PE-SR401FL, RG401



ASSEMBLY (A)



ASSEMBLY (B)



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.

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DWG TITLE

PE4935

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.

FSCM NO. 53919	CAD FILE 061802	SCALE N/A	SIZE A	XXXX

PASTERNACK
THE ENGINEER'S RF SOURCE

N Male Connector Solder Attachment for PE-SR401AL, PE-SR401FL, RG401

RF Connectors Technical Data Sheet PE4376

Configuration

- N Male Connector
- MIL-STD-348A
- 50 Ohms
- Straight Body Geometry
- PE-SR401AL, PE-SR401FL, RG401 Interface Type
- Solder/Solder Attachment

Features

- Max. Operating Frequency 11 GHz
- Good VSWR of 1.5:1
- Gold Plated Brass Contact
- 30 µin minimum contact plating

Applications

- General Purpose Test
- Custom Cable Assemblies

Description

Pasternack's PE4376 type N male connector with solder/solder attachment for PE-SR401AL, PE-SR401FL and RG401 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 1.5:1.

Our type N male connector PE4376 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			1.5:1	
Operating Voltage (AC)			1,000	Vrms

Mechanical Specifications

Size

Length	0.965 in [24.51 mm]
Width/Dia.	0.827 in [21.01 mm]
Weight	0.069 lbs [31.3 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-SR401AL, PE-SR401FL, RG401 PE4376

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RF Connectors Technical Data Sheet PE4376

Material Specifications

Description	Material	Plating
Contact	Brass	Gold 30 µin minimum
Insulation	PTFE	
Body	Brass	Gold 3 µin minimum
Coupling Nut	Brass	Nickel 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:

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URL: https://www.pasternack.com/n-male-standard-pe-sr401al-pe-sr401fl-rg401-connector-pe4376-p.aspx

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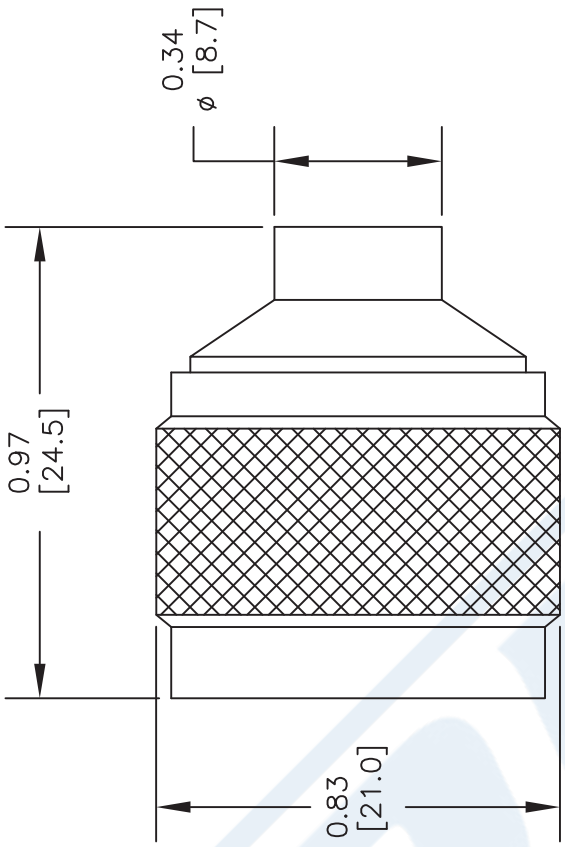
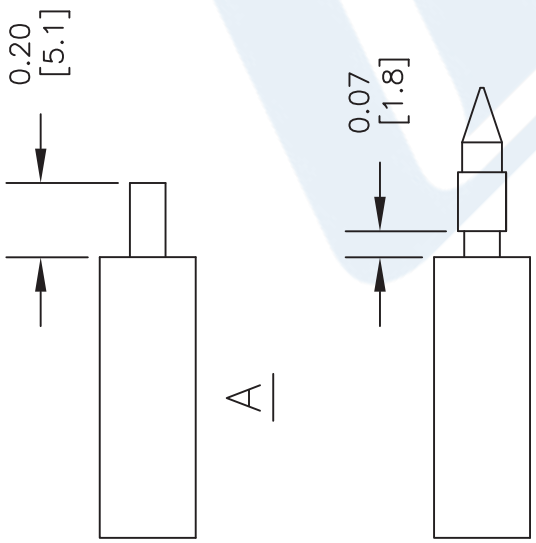
PE4376 CAD Drawing

N Male Connector Solder Attachment for PE-SR401AL, PE-SR401FL, RG401





STRIPPING DIMENSIONS

ASSEMBLY PROCEDURES

1. STRIP CABLE AS SHOWN IN (A). DO NOT NICK CENTER CONDUCTOR.
2. SHIM CONTACT AS SHOWN IN (B) & SOLDER CONTACT TO CENTER CONDUCTOR.
3. INSERT CABLE INTO BODY UNTIL OUTER CONDUCTOR IS FLUSH WITH BODY SHOULDER. 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 **PE4376**

REV. A	FSCM NO. 53919	CAD FILE 030512	SCALE N/A	SIZE A	2233

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Formable 250 Semi-rigid Coax Cable with Tinned Copper Braid Outer Conductor

RF Cables
Technical Data Sheet

PE-SR401FL

Configuration

- Formable Cable
- 1 Shield(s)

Electrical Specifications

Description	Minimum	Typical	Maximum	Units
Frequency Range	DC		18	GHz
Impedance		50		Ohms
Velocity of Propagation		69.5		%
Shielding Effectiveness	100			dB
Inner Conductor DC Resistance			2.5	Ohms/1000ft
Outer Conductor DC Resistance			8	Ohms/1000ft
Nominal Capacitance		29.6 [97.11]		pF/ft [pF/m]

Performance by Frequency Band

Description	F1	F2	F3	F4	F5	Units
Frequency	0.5	1	5	10	18	GHz
Attenuation, Typ	4.4	6.8	19	28	41	dB/100ft
	14.44	22.31	62.34	91.86	134.51	dB/100m

Electrical Specification Notes:
5,600 VRMS @ 60Hz

Mechanical Specifications

Min. Bend Radius (Installation) 0.75 in [19.05 mm]

Construction Specifications

Description	Material and Plating	Diameter
Inner Conductor	Copper, Silver, 1 Strands	0.065 in [1.65 mm]
Conductor Type	Solid	
Dielectric	PTFE	0.21 in [5.33 mm]
Outer Conductor	Tinned Copper Braid	0.25 in [6.35 mm]

Click the following link (or enter part number in "SEARCH" on website) to obtain additional part information including price, inventory and certifications: Formable 250 Semi-rigid Coax Cable with Tinned Copper Braid Outer Conductor PE-SR401FL

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Formable 250 Semi-rigid Coax Cable with Tinned Copper Braid Outer Conductor

RF Cables
Technical Data Sheet

PE-SR401FL

Environmental Specifications

Temperature

Operating Range	-55 to +125 deg C

Compliance Certifications (see product page for current document)

Plotted and Other Data

Notes:

Formable 250 Semi-rigid Coax Cable with Tinned Copper Braid 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: Formable 250 Semi-rigid Coax Cable with Tinned Copper Braid Outer Conductor PE-SR401FL

URL: https://www.pasternack.com/formable-0.250-semirigid-replacement-50-ohm-coax-cable-tinned-braid-pe-sr401fl-p.aspx

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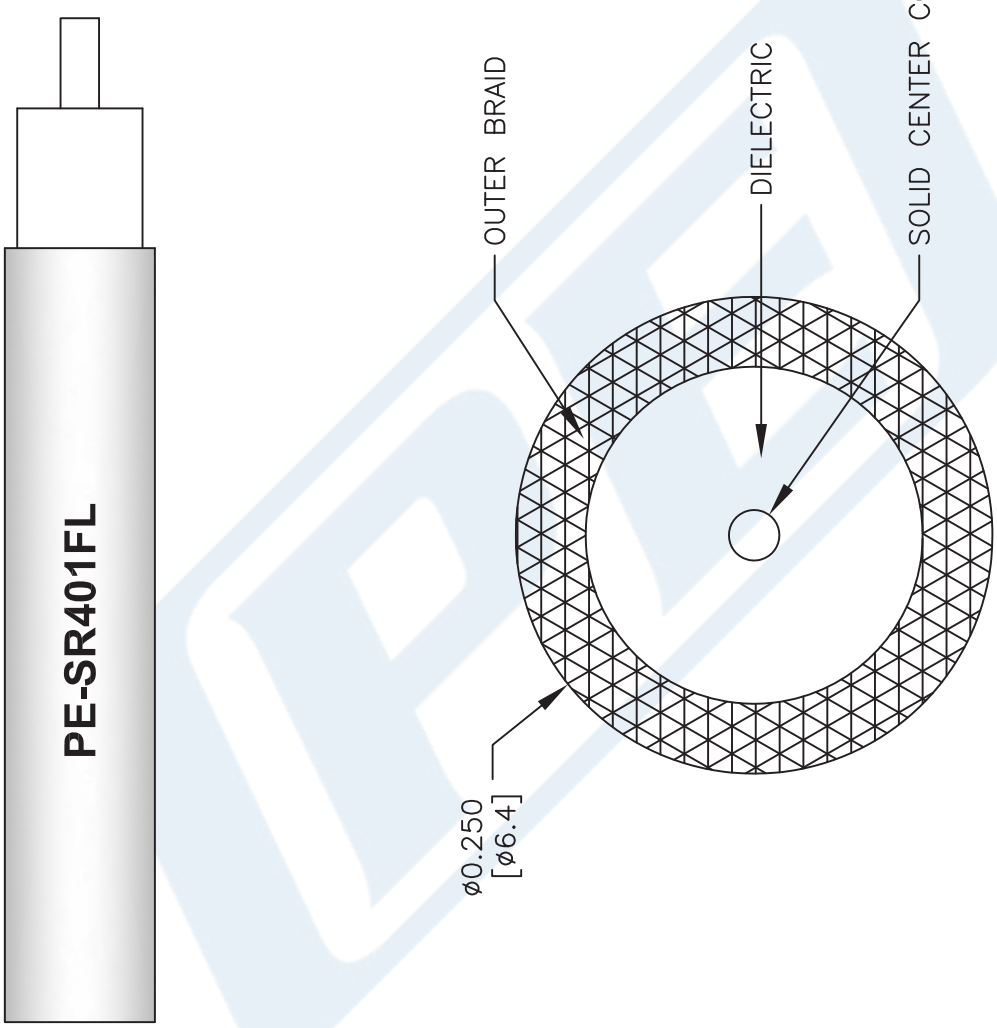
PE-SR401FL CAD Drawing

Formable 250 Semi-rigid Coax Cable with Tinned Copper Braid Outer Conductor



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CAD FILE	111716	SCALE N/A	SIZE A	41742

DWG TITLE: **PE-SR401FL**

FSCM NO. 53919

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