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

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

The information contained in this document is accurate to the best of our knowledge and representative of the part described herein. It may be necessary to make modifications to the part and/or the documentation of the part, in order to implement improvements. Pasternack reserves the right to make such changes as required. Unless otherwise stated, all specifications are nominal. Pasternack does not make any representation or warranty regarding the suitability of the part described herein for any particular purpose, and Pasternack does not assume any liability arising out of the use of any part or documentation.

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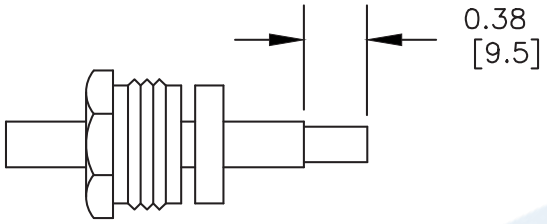
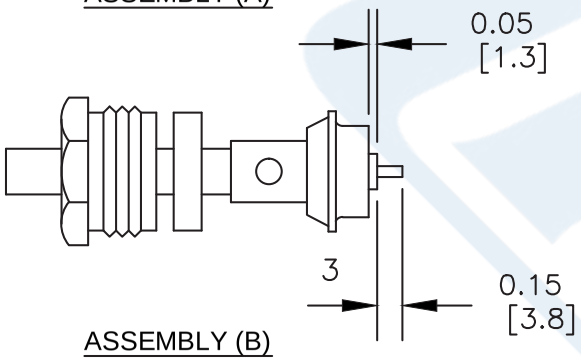
PE4935 CAD Drawing

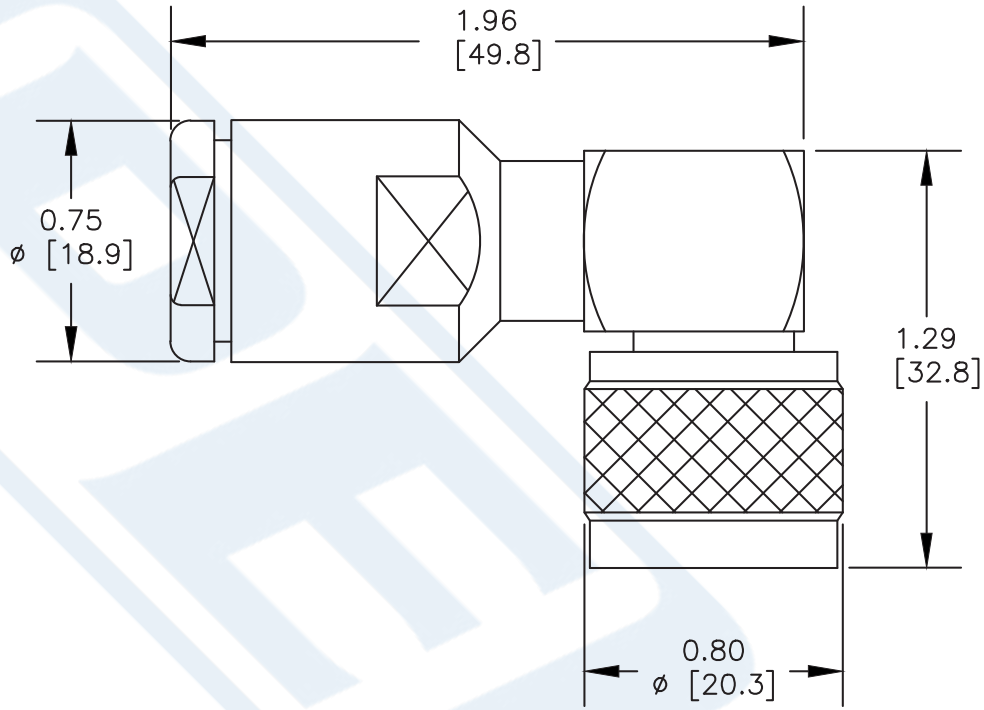
N Male Right Angle Connector Clamp/Solder Attachment
for PE-SR401AL, PE-SR401FL, RG401



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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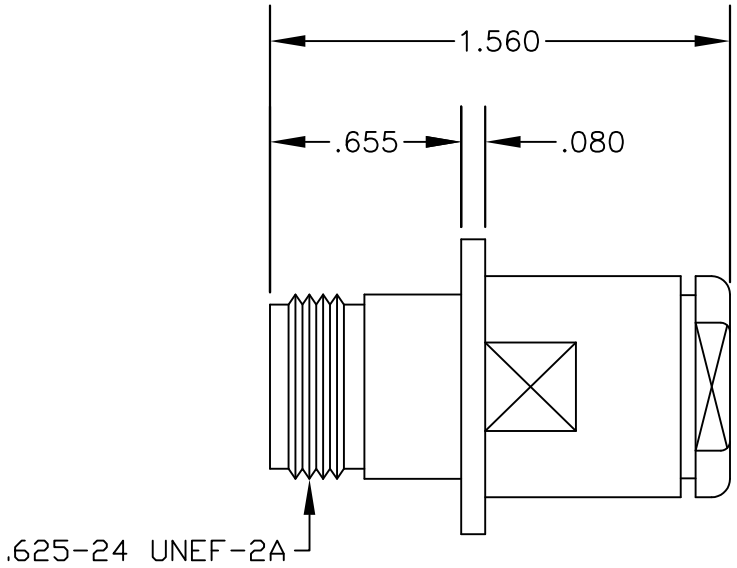
DWG TITLE

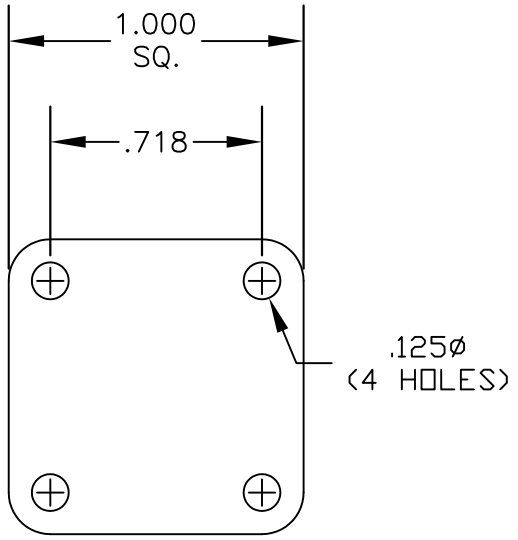
PE4935

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.

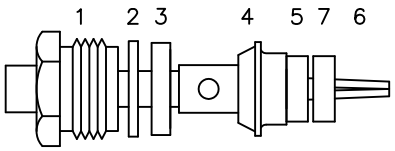
FSCM NO. 53919	CAD FILE 061802	SCALE N/A	SIZE A	XXXX

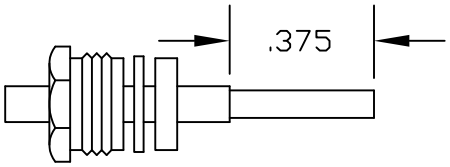
MATERIALS	
BODY	BRASS NICKEL PLATED
CONTACT	GOLD PLATED
INSULATOR	PTFE
SOLDER ADAPTER	BRASS GOLD PLATED



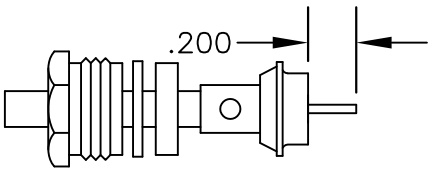


MOUNTING HOLES





ASSEMBLY (A)



ASSEMBLY (B)

ASSEMBLY PROCEDURES

1. SLIDE CLAMP NUT (1), WASHER (2) & GASKET (3) OVER CLABLE. STRIP CABLE AS SHOWN IN ASSEMBLY (A). DO NOT CUT DIELECTRIC.

2. SLIDE ADAPTER (4) OVER CABLE UNTIL ADAPTER (4) BOTTOMS ON OUTER CONDUCTOR. SOLDER ADAPTER (4) TO OUTER CONDUCTOR USING MINIMUM HEAT.

3. STRIP CABLE AS SHOWN IN ASSEMBLY (B) SLIDE REAR INSULATOR (5). SOLDER CONTACT (6) TO CENTER CONDUCTOR. SLIDE FRONT INSULATOR (7) OVER CONTACT (6) SLIDE ASSEMBLY FORWARD & TIGHTEN TO BODY.

PASTERNACK ENTERPRISES®
ESTABLISHED 1972

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COAXIAL & FIBER OPTICS

DWG TITLE	DES.
PE44071	N FEMALE, PANEL MOUNT, SOLDER/CLAMP ATTACHMENT FOR RG401, PE-SR401AL & PE-SR401FL

SIZE A	FSCM NO. 53919	CAD FILE 052504	SCALE N/A		127

NOTES:
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PASTERNACK
an INFINITE brand

250 Semi-rigid Coax Cable with Tinned Aluminum Outer Conductor

RF Cables
Technical Data Sheet

PE-SR401AL-STRAIGHT

Configuration

- Semi-Rigid Cable
- 1 Shield(s)

Features

- Supplied in 5 foot maximum straight lengths

Electrical Specifications

Description	Minimum	Typical	Maximum	Units
Frequency Range	DC		18	GHz
Impedance		50		Ohms
Velocity of Propagation		69.5		%
Dielectric Withstanding Voltage (AC)			7,500	Vrms
Corona Discharge at 60 Hz			3,000	Vrms

Performance by Frequency Band

Description	F1	F2	F3	F4	F5	Units
Frequency	0.4	1	5	10	18	GHz
Attenuation, Typ	4.5	7.5	22	33	48	dB/100ft
	14.76	24.61	72.18	108.27	157.48	dB/100m
Input Power (CW), Max	962	661	265	174	100	Watts

Mechanical Specifications

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

Construction Specifications

Description	Material and Plating	Diameter
Inner Conductor	Copper, Silver	0.064 in 1.63 mm
Conductor Type	Solid	

Click the following link (or enter part number in “SEARCH” on website) to obtain additional part information including price, inventory and certifications: 250 Semi-rigid Coax Cable with Tinned Aluminum Outer Conductor PE-SR401AL-STRAIGHT

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250 Semi-rigid Coax Cable with Tinned Aluminum Outer Conductor

RF Cables
Technical Data Sheet

PE-SR401AL-STRAIGHT

Dielectric	PTFE	0.209 in 5.31 mm
Outer Conductor	Aluminum, Tin MIL-T-10727	0.25 in 6.35 mm

Environmental Specifications

Temperature

Operating Range	-40 to +100 deg C

Compliance Certifications (see product page for current document)

Plotted and Other Data

Notes:

250 Semi-rigid Coax Cable with Tinned Aluminum 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: 250 Semi-rigid Coax Cable with Tinned Aluminum Outer Conductor PE-SR401AL-STRAIGHT

URL: https://www.pasternack.com/semirigid-pe-sr401al-coax-cable-tin-plated-aluminum-straight-pe-sr401al-straight-p.aspx

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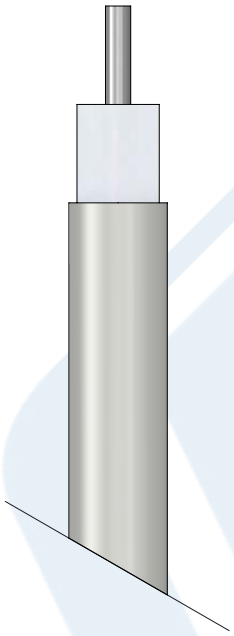
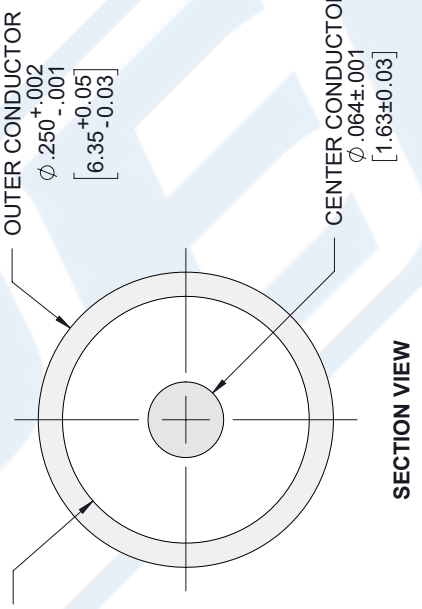
PE-SR401AL-STRAIGHT CAD Drawing

250 Semi-rigid Coax Cable with Tinned Aluminum Outer Conductor

REVISIONS			
REV.	DESCRIPTION	DATE	APPROVED
A	INITIAL RELEASE	08/27/19	S.ELLIS





SECTION VIEW

UNLESS OTHERWISE SPECIFIED
LEADING DIMENSIONS ARE INCHES
DIMENSIONS IN [ ] ARE MILLIMETERS
TOLERANCES:
.X=± .2 [5.08] | FRACTIONS ± 1/32
.XX=± .01 [.25] | ANGLES ± 1°
.XXX=± .005 [.13]
ALL DIMENSIONS SHOWN ARE FOR REFERENCE ONLY.
THIRD-ANGLE PROJECTION

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SIZE	CAGE	DRAWN BY	PART NUMBER	REV
A	53919	K.DANG	PE-SR401AL-STRAIGHT	A

SHEET 1 OF 1
SCALE N/A

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T-Rev.B

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