



N Male Connector Clamp/Solder Attachment
For PE-SR401AL, PE-SR401FL, RG401

TECHNICAL DATA SHEET

PE4434

Configuration

Connector	N Male
Connector Interface Type	PE-SR401AL, PE-SR401FL, RG401
Attachment Method (Shield/Contact)	Clamp/Solder
Body Style	Straight

Electrical Specifications

Impedance	50 Ohms
-----------	---------

Mechanical Specifications

Size

Length	1.5 in [38.1 mm]
Width/Dia.	0.75 in [19.05 mm]
Weight	0.151 lbs [68.49 g]

Connector

Type	N Male
Contact Material and Plating	Brass, Gold
Body Material and Plating	Brass, Nickel
Dielectric Type	Teflon

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

RoHS Compliant

Plotted and Other Data

Notes:

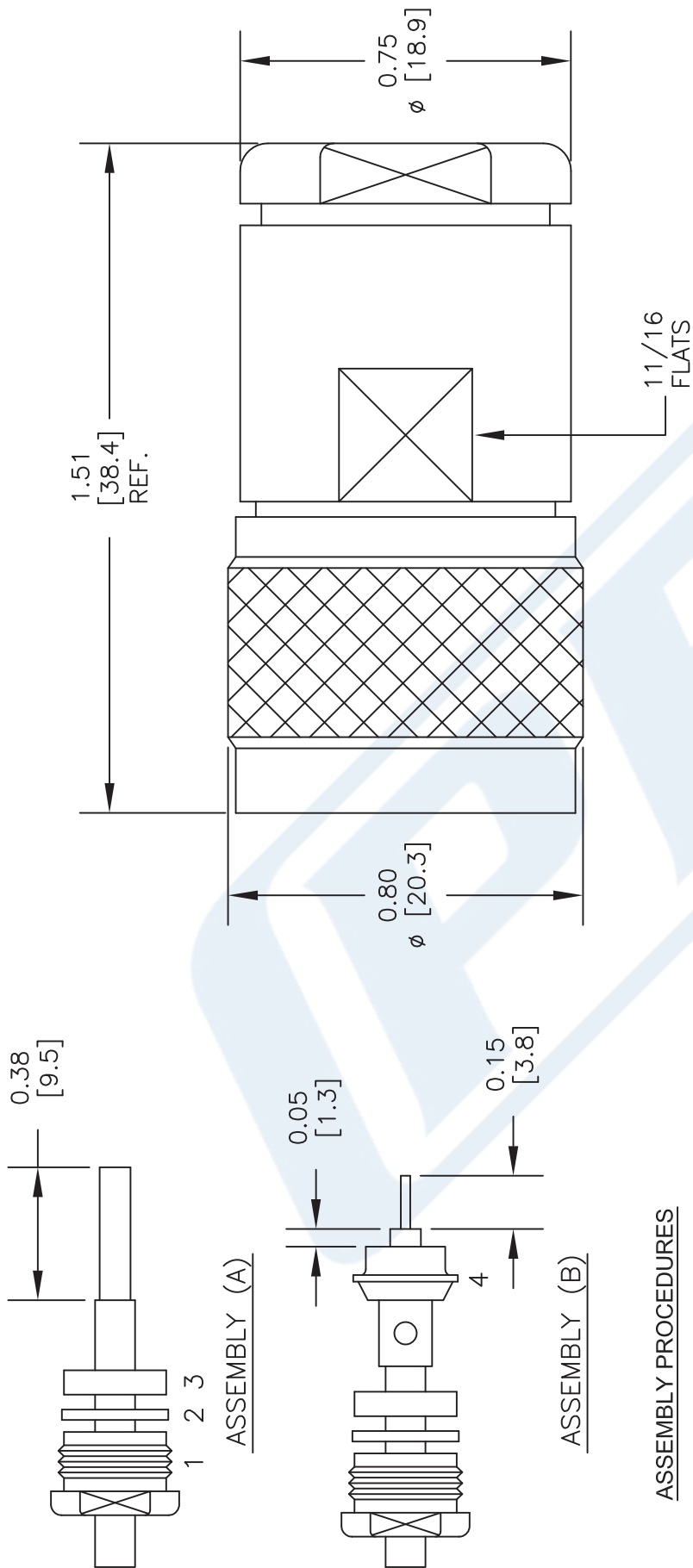
- Values at +25 °C, sea level

N Male 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.

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 Clamp/Solder Attachment For PE-SR401AL, PE-SR401FL, RG401 PE4434](http://www.pasternack.com/n-male-standard-pe-sr401al-pe-sr401fl-rg401-connector-pe4434-p.aspx)

URL: <http://www.pasternack.com/n-male-standard-pe-sr401al-pe-sr401fl-rg401-connector-pe4434-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.



ASSEMBLY PROCEDURES

1. SLIDE CLAMP NUT (1), WASHER (2) & GASKET (3) OVER CABLE. 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). SOLDER CONTACT TO CENTER CONDUCTOR. SLIDE ASSEMBLY FORWARD & TIGHTEN TO BODY.

DWG TITLE

PE4434

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 050614

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



N Male Connector Clamp/Solder Attachment
For PE-SR401AL, PE-SR401FL, RG401

TECHNICAL DATA SHEET

PE4434

Configuration

Connector	N Male
Connector Interface Type	PE-SR401AL, PE-SR401FL, RG401
Attachment Method (Shield/Contact)	Clamp/Solder
Body Style	Straight

Electrical Specifications

Impedance	50 Ohms
-----------	---------

Mechanical Specifications

Size

Length	1.5 in [38.1 mm]
Width/Dia.	0.75 in [19.05 mm]
Weight	0.151 lbs [68.49 g]

Connector

Type	N Male
Contact Material and Plating	Brass, Gold
Body Material and Plating	Brass, Nickel
Dielectric Type	Teflon

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

RoHS Compliant

Plotted and Other Data

Notes:

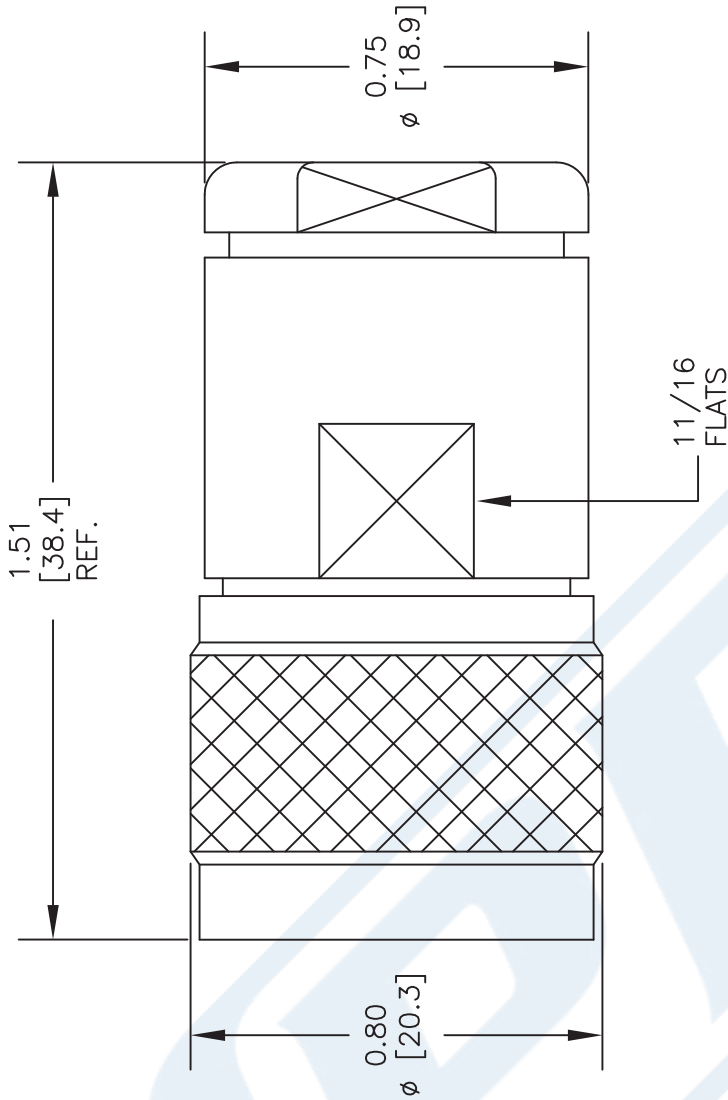
- Values at +25 °C, sea level

N Male 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.

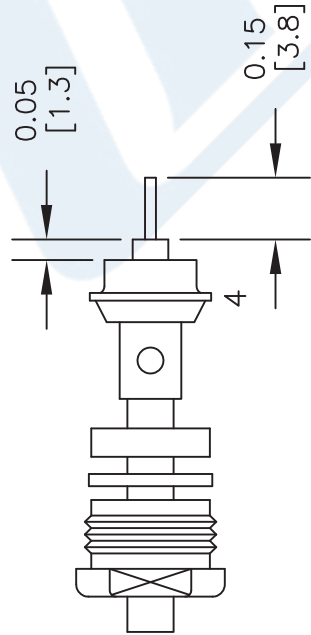
Click the following link (or enter part number in "SEARCH" on website) to obtain additional part information including price, inventory and certifications: [N Male Connector Clamp/Solder Attachment For PE-SR401AL, PE-SR401FL, RG401 PE4434](http://www.pasternack.com/n-male-standard-pe-sr401al-pe-sr401fl-rg401-connector-pe4434-p.aspx)

URL: <http://www.pasternack.com/n-male-standard-pe-sr401al-pe-sr401fl-rg401-connector-pe4434-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.



ASSEMBLY (A)



ASSEMBLY (B)

ASSEMBLY PROCEDURES

1. SLIDE CLAMP NUT (1), WASHER (2) & GASKET (3) OVER CABLE. 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). SOLDER CONTACT TO CENTER CONDUCTOR. SLIDE ASSEMBLY FORWARD & TIGHTEN TO BODY.

DWG TITLE

PE4434

- 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.



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

FSCM NO. 53919

CAD FILE 050614

SCALE N/A

SIZE A

2233

250 Semi-rigid Coax Cable with Tinned
Aluminum Outer Conductor

TECHNICAL DATA SHEET

PE-SR401AL

250 Semi-rigid Coax Cable with Tinned Aluminum Outer Conductor

Configuration

Inner Conductor Material and Plating	Copper, Silver
Dielectric Type	PTFE
Shield Materials	Tinned Aluminum

Electrical Specifications

Impedance, Ohms	50
Maximum Operating Frequency, GHz	20
Capacitance, pF/ft [pF/m]	29.6 [97.11]
Maximum Operating Voltage, Volts	3,000

Electrical Specifications by Frequency

Frequency 1

Frequency, MHz	1000
Attenuation, dB/100ft [dB/100m]	8 [26.25]
Power Handling, KWatts	1.4

Frequency 2

Frequency, GHz	10
Attenuation, dB/100ft [dB/100m]	34 [111.55]
Power Handling, Watts	350

Frequency 3

Frequency, GHz	20
Attenuation, dB/100ft [dB/100m]	49 [160.76]
Power Handling, Watts	200

Mechanical Specifications

Temperature

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

Inner Conductor

Number of Strands	1
Material	Copper
Plating	Silver
Diameter, in [mm]	0.064 [1.63]

Dielectric:

Type	PTFE
Diameter, in [mm]	0.209 [5.31]

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](#)

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.

250 Semi-rigid Coax Cable with Tinned
Aluminum Outer Conductor

TECHNICAL DATA SHEET

PE-SR401AL

Shield:

Number of	1
Material 1	Tinned Aluminum

Jacket:

Diameter, in [mm]	0.25 [6.35]
One Time Minimum Bend Radius, in [mm]	0.25 [6.35]
Weight, lbs/ft [Kg/m]	0.066 [0.1]

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

Plotted and Other Data

Notes: Values at 25 °C, sea level

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 fiber optic products maintain a 99% availability and are part of the broadest selection in the industry.

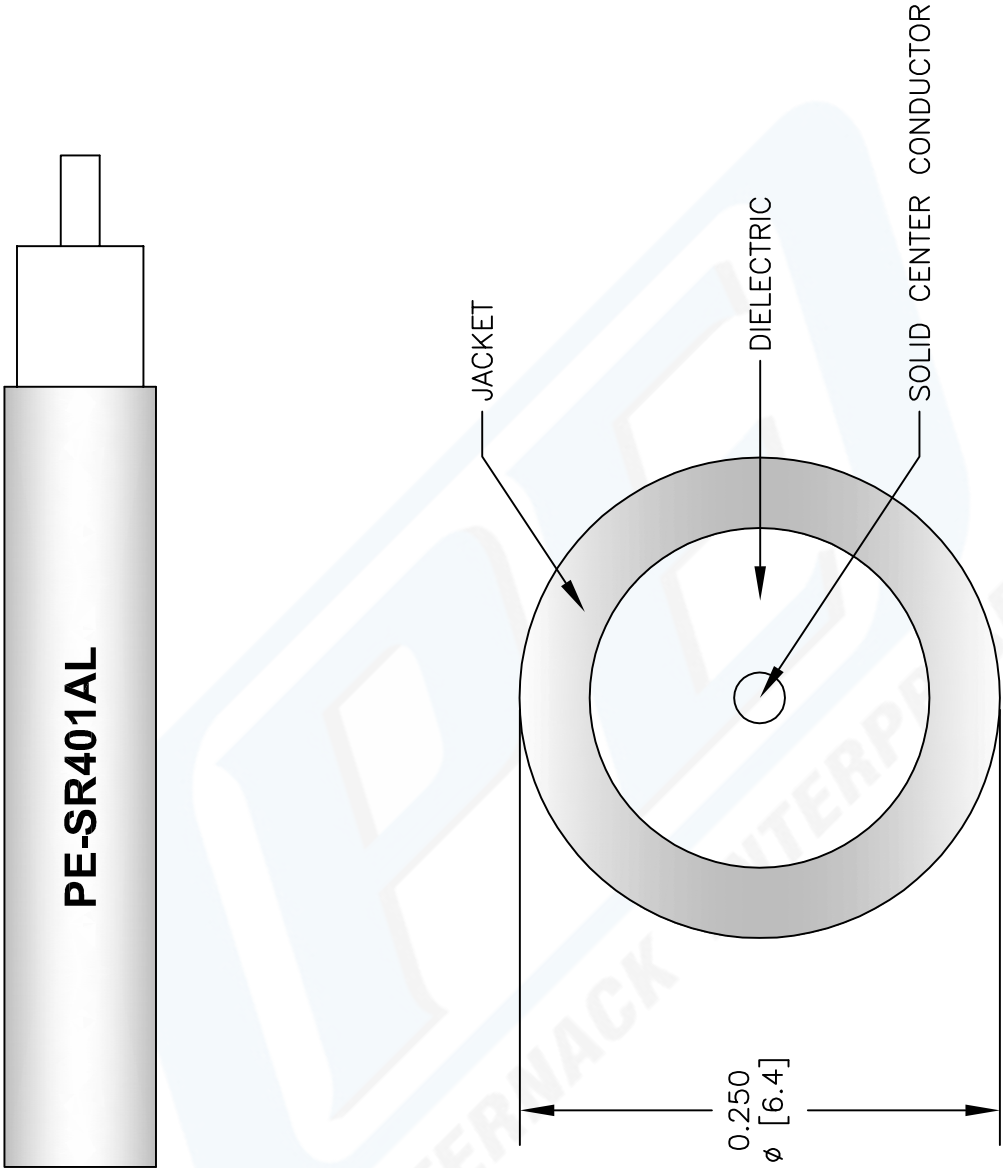
Click the following link (or enter part number in "SEARCH" on website) to obtain additional part information including price, inventory and certifications: [250 Semi-rigid Coax Cable with Tinned Aluminum Outer Conductor PE-SR401AL](#)

URL: <http://www.pasternack.com/semirigid-0.250-50-ohm-coax-cable-tinned-aluminum-pe-sr401al-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.

PE-SR401AL CAD Drawing

250 Semi-rigid Coax Cable with Tinned Aluminum Outer Conductor



PE PASTERNAK®
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

DWG TITLE
PE-SR401AL

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].

REV. A	FSCM NO. 53919	CAD FILE	022808-A	SCALE	N/A	SIZE	A	147
--------	----------------	----------	----------	-------	-----	------	---	-----