



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

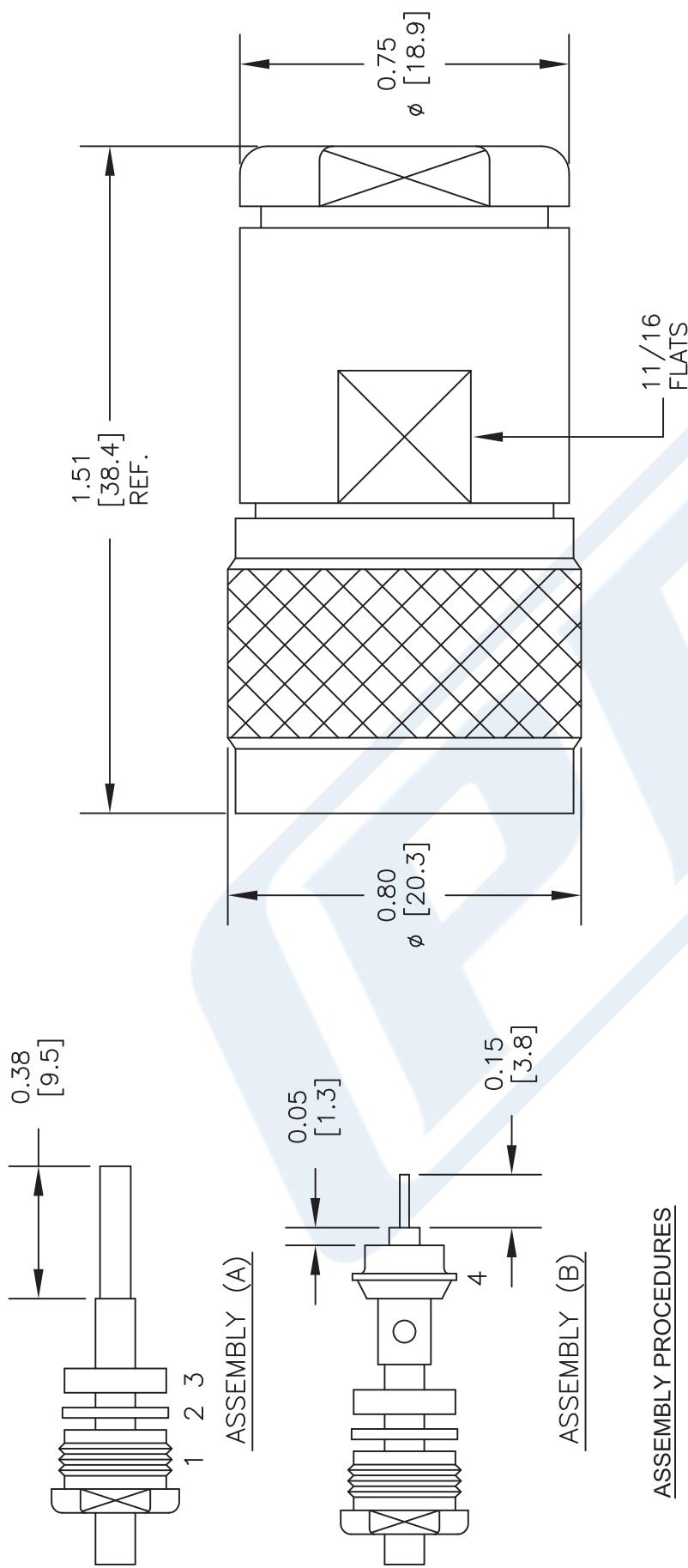
Notes:
 • Values at +25 °C, sea level

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](#)

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

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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.

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 | PE4434 |
|-----------|--------|
| FSCM NO. | 53919 |
| CAD FILE | 050614 |
| SCALE | N/A |
| SIZE | A |
| | 2233 |



Pasternack Enterprises, Inc.
 P.O. Box 16759 | Irvine | CA | 92623

Phone: (949) 261-1920 | Fax: (949) 261-7451

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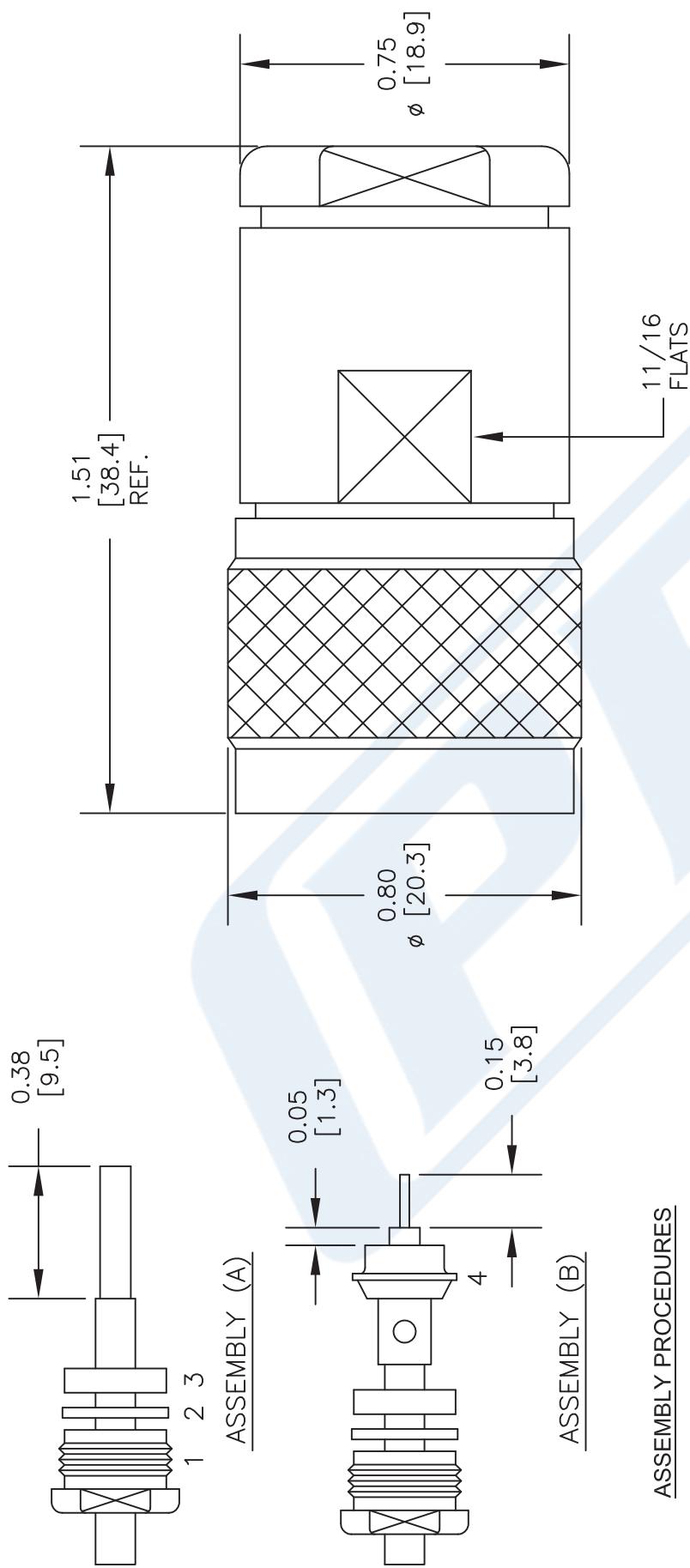
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250 Semi-rigid Coax Cable with Tinned Aluminum Outer Conductor

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](#)

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250 Semi-rigid Coax Cable with Tinned Aluminum Outer Conductor

TECHNICAL DATA SHEET

PE-SR401AL

Shield:

Number of
Material 1

1
Tinned Aluminum

Jacket:

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

0.25 [6.35]
0.25 [6.35]
0.066 [0.1]

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

Plotted and Other Data

Notes:

Values at 25 °C, sea level

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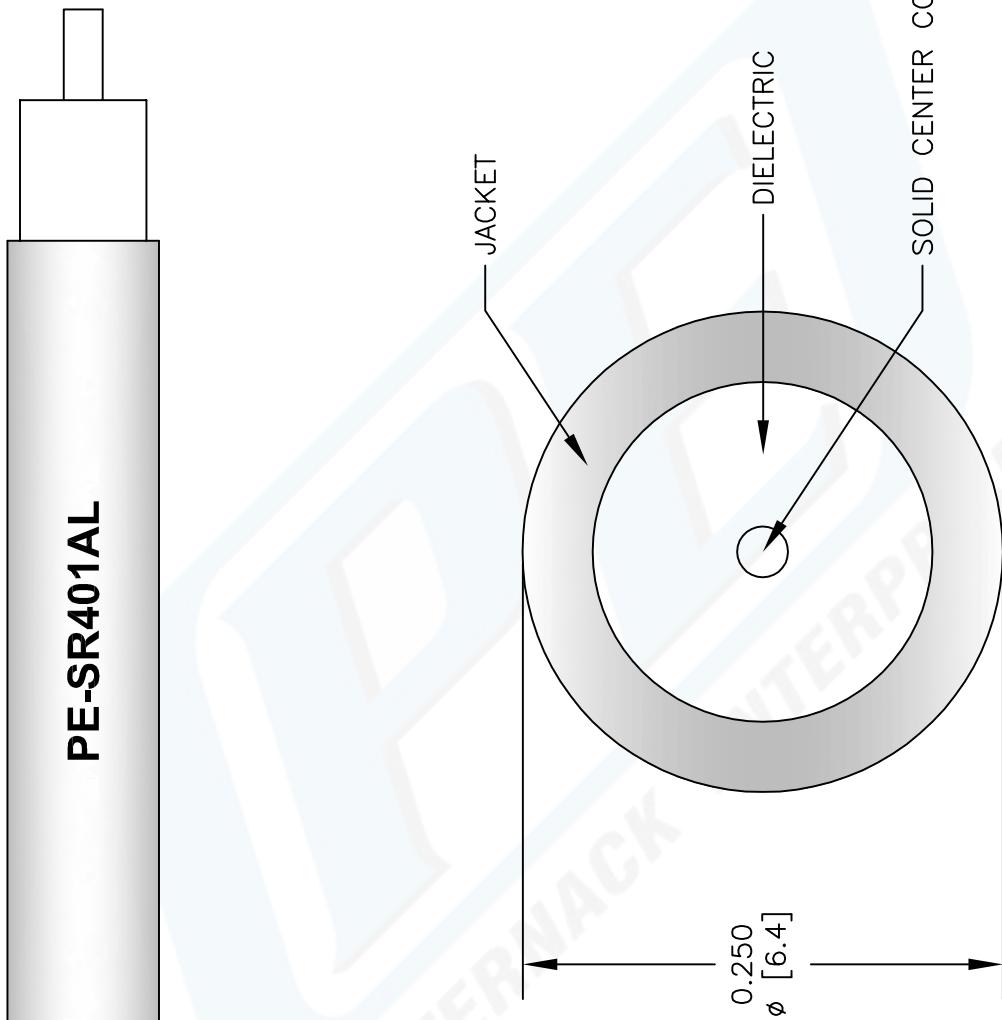
Click the following link (or enter part number in "SEARCH" on website) to obtain additional part information including price, inventory and certifications: [250 Semi-rigid Coax Cable with Tinned Aluminum Outer Conductor PE-SR401AL](http://www.pasternack.com/semirigid-0.250-50-ohm-coax-cable-tinned-aluminum-pe-sr401al-p.aspx)

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

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PE-SR401AL CAD Drawing

250 Semi-rigid Coax Cable with Tinned Aluminum Outer Conductor



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PE-SR401AL

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

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