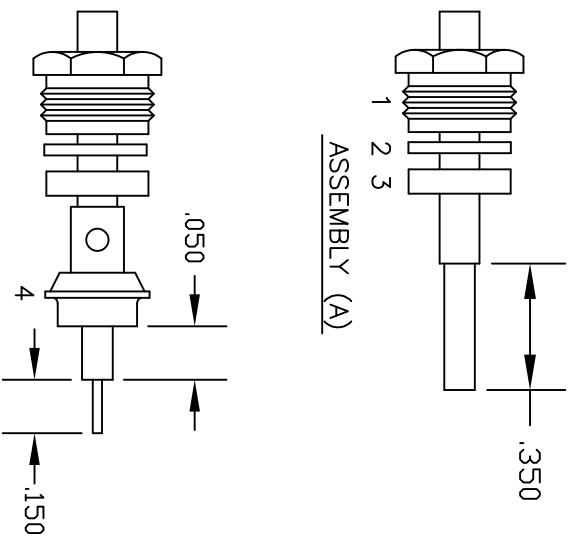
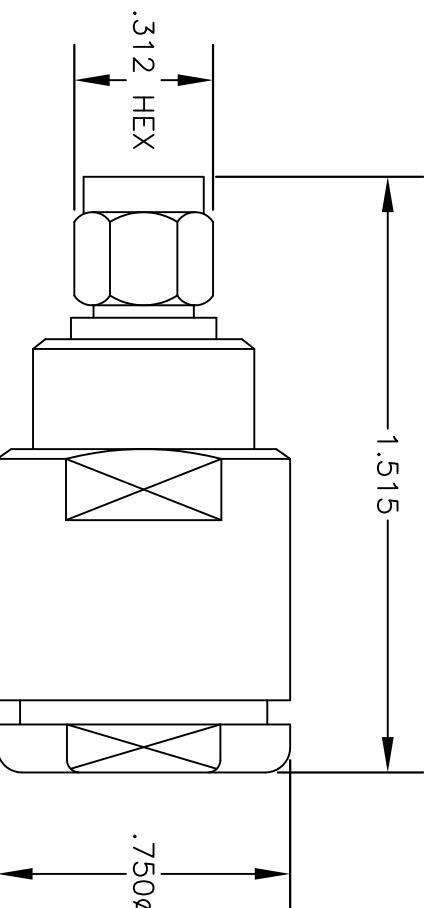


MATERIALS	
BODY	BRASS NICKEL PLATED
CONTACT	GOLD PLATED
INSULATOR	PTFE
SOLDER ADAPTER	GOLD PLATED



#### 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.



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COAXIAL & FIBER OPTICS

DWG TITLE  
**PE4403**

DES.

SMA MALE, SOLDER/CLAMP FOR RG401,  
PE-SR401AL & PE-SR401FL

SIZE A  
**FSCM NO. 53919**

CAD FILE

051302

SCALE N/A

127

NOTES:

1. UNLESS OTHERWISE SPECIFIED ALL DIMENSIONS ARE NOMINAL.

2. ALL SPECIFICATIONS ARE SUBJECT TO CHANGE WITHOUT NOTICE AT ANY TIME.

## SMA Female Connector Solder Attachment for PE-SR401AL, PE-SR401FL, RG401



### RF Connectors Technical Data Sheet

PE4930

#### Configuration

- SMA Female Connector
- MIL-STD-348
- 50 Ohms

- Straight Body Geometry
- PE-SR401AL, PE-SR401FL, RG401 Interface Type
- Solder/Solder Attachment

#### Features

- Gold Plated Contact
- Contact plating according to MIL-G-45204

#### Applications

- General Purpose Test
- Custom Cable Assemblies

#### Description

Pasternack's PE4930 SMA female 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 SMA female connector PE4930 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.

#### Mechanical Specifications

##### Size

Length  
Width/Dia.

0.85 in [21.59 mm]

0.312 in [7.92 mm]

Weight

0.013 lbs [5.9 g]

#### Material Specifications

Description	Material	Plating
Contact		Gold MIL-G-45204
Insulation	PTFE	
Body	Brass	Gold MIL-G-45204

#### Environmental Specifications

##### Temperature

Operating Range

-65 to +165 deg C

Click the following link (or enter part number in "SEARCH" on website) to obtain additional part information including price, inventory and certifications: [SMA Female Connector Solder Attachment for PE-SR401AL, PE-SR401FL, RG401 PE4930](#)



## SMA Female Connector Solder Attachment for PE-SR401AL, PE-SR401FL, RG401

### RF Connectors Technical Data Sheet

PE4930

**Compliance Certifications** (see [product page](#) for current document)

#### Plotted and Other Data

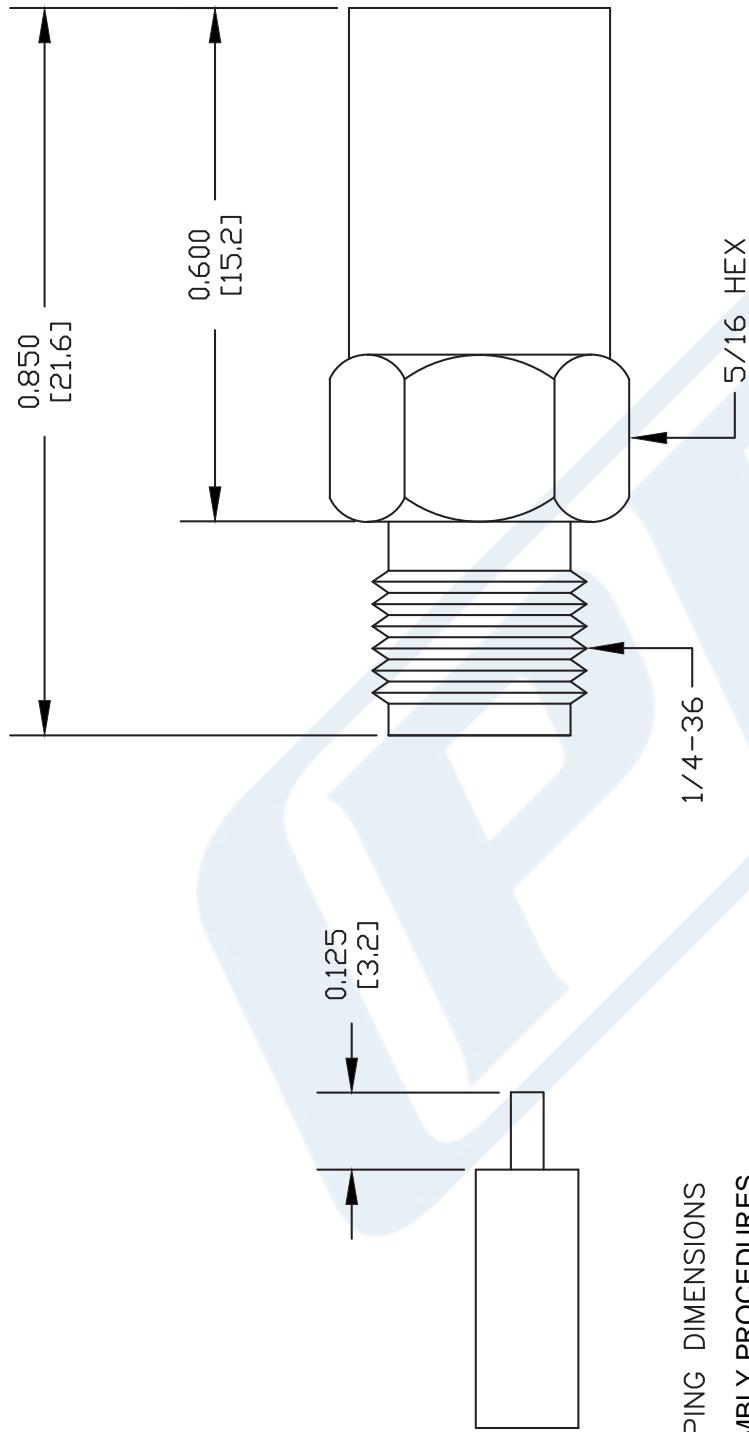
Notes:

SMA Female Connector 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: [SMA Female Connector Solder Attachment for PE-SR401AL, PE-SR401FL, RG401 PE4930](#)

URL: <https://www.pasternack.com/sma-female-standard-pe-sr401al-pe-sr401fl-rg401-connector-pe4930-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.



## STRIPPING DIMENSIONS

## ASSEMBLY PROCEDURES

STRIP CABLE AS SHOWN, DO NOT NICK CENTER CONDUCTOR.

SOLDER CONTACT TO CENTER CONDUCTOR.  
REMOVE EXCESS SOLDER.

INSERT CABLE INTO BODY UNTIL OUTER CONDUCTOR BOTTOMS ON WITH BODY SHOULDER. SOLDER OUTER CONDUCTOR TO BODY.



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PART NUMBER	DWG TITLE
PE4930	PE4930

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.

ITEM	DESCRIPTION	CAD FILE	SCALE	SIZE	REV
53919		061402	N/A	A	xxxx

## 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
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###### 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  
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](http://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.

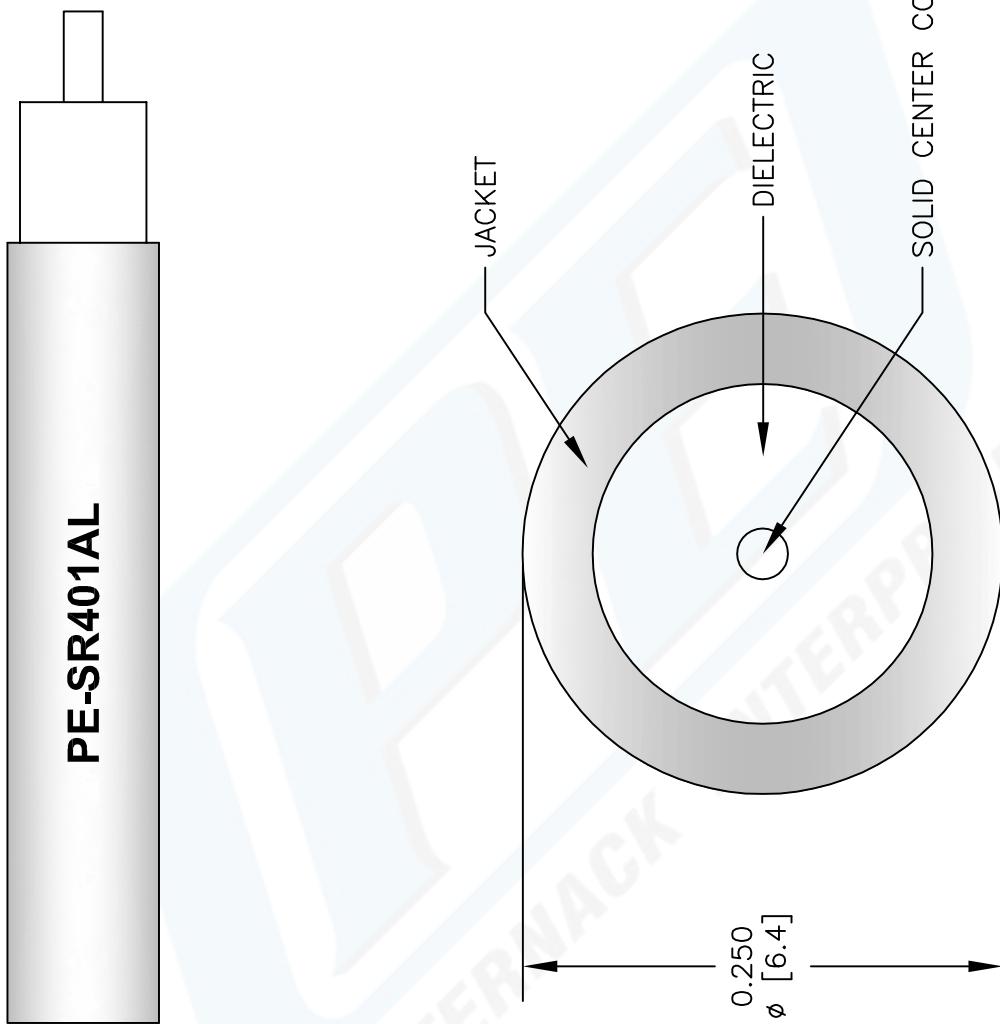
Click the following link (or enter part number in "SEARCH" on website) to obtain additional part information including price, inventory and certifications: [250 Semi-rigid Coax Cable with Tinned Aluminum Outer Conductor PE-SR401AL](http://www.pasternack.com/semirigid-0.250-50-ohm-coax-cable-tinned-aluminum-pe-sr401al-p.aspx)

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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3. DIMENSIONS ARE IN INCHES [mm].

**PE-SR401AL**

DWG TITLE

**PE-SR401AL**

**PE** PASTERNAK®

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