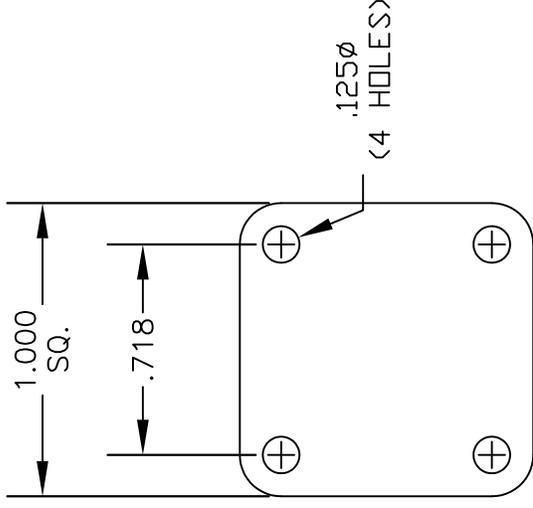
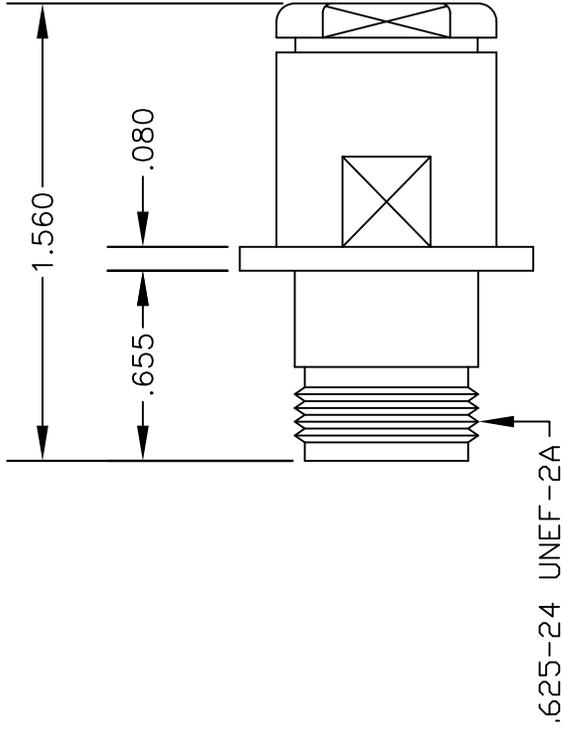
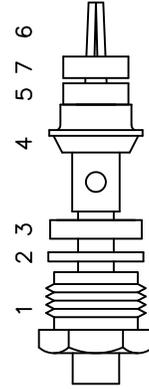


**MATERIALS**

<b>BODY</b>	<b>BRASS NICKEL PLATED</b>
<b>CONTACT</b>	<b>GOLD PLATED</b>
<b>INSULATOR</b>	<b>PTFE</b>
<b>SOLDER ADAPTER</b>	<b>BRASS GOLD PLATED</b>

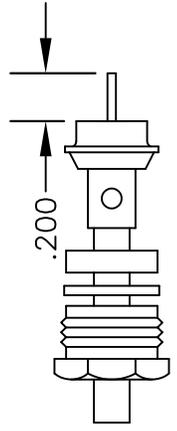
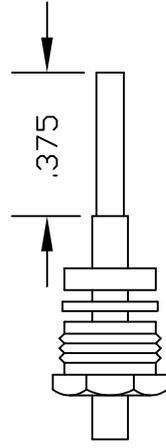


MOUNTING HOLES



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) SLIDE REAR INSULATOR (5). SOLDER CONTACT (6) TO CENTER CONDUCTOR. SLIDE FRONT INSULATOR (7) OVER CONTACT (6) SLIDE ASSEMBLY FORWARD & TIGHTEN TO BODY.



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 E-MAIL ADDRESS: sales@pasternack.com  
**COAXIAL & FIBER OPTICS**

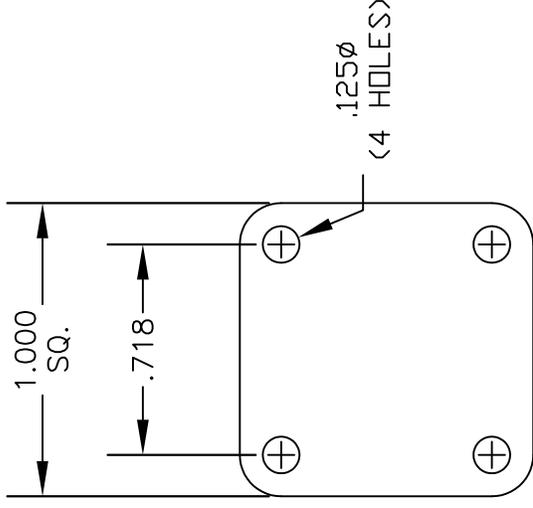
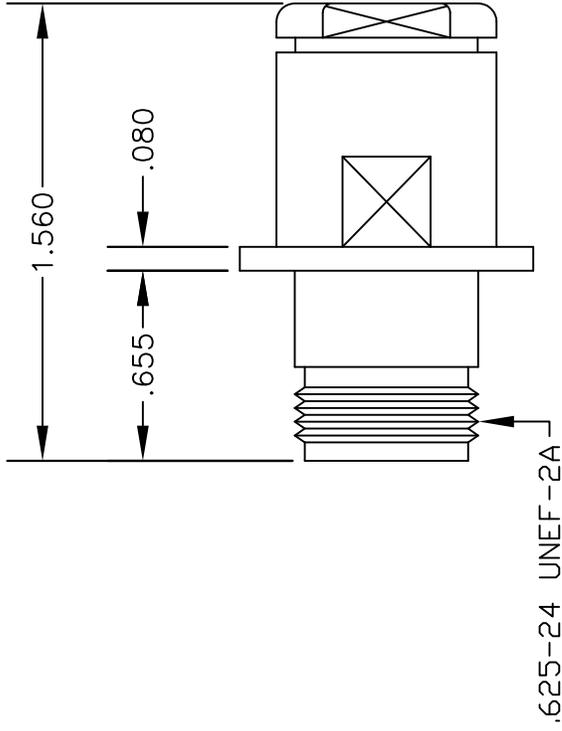
DWG TITLE	DES. N FEMALE, PANEL MOUNT, SOLDER/CLAMP ATTACHMENT FOR RG401, PE-SR401AL & PE-SR401FL		
<b>PE44071</b>			
SIZE A	FSCM NO. 53919	CAD FILE 052504	SCALE N/A 127

NOTES:

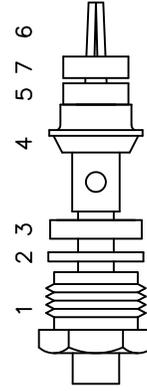
1. UNLESS OTHERWISE SPECIFIED ALL DIMENSIONS ARE NOMINAL.
2. ALL SPECIFICATIONS ARE SUBJECT TO CHANGE WITHOUT NOTICE AT ANY TIME.

**MATERIALS**

<b>BODY</b>	<b>BRASS NICKEL PLATED</b>
<b>CONTACT</b>	<b>GOLD PLATED</b>
<b>INSULATOR</b>	<b>PTFE</b>
<b>SOLDER ADAPTER</b>	<b>BRASS GOLD PLATED</b>

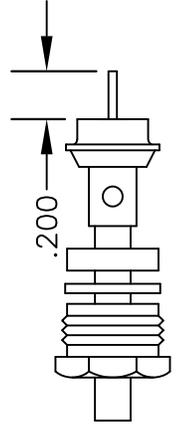
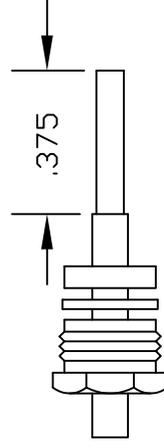


MOUNTING HOLES



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) SLIDE REAR INSULATOR (5). SOLDER CONTACT (6) TO CENTER CONDUCTOR. SLIDE FRONT INSULATOR (7) OVER CONTACT (6) SLIDE ASSEMBLY FORWARD & TIGHTEN TO BODY.



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DWG TITLE

**PE44071**

DES.

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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## RG401 Coax Cable with Copper

### TECHNICAL DATA SHEET

RG401/U

#### RG401 Coax Cable with Copper

##### Configuration

Inner Conductor Material and Plating	Copper, Silver
Dielectric Type	PTFE
Shield Materials	Copper
Jacket Material and Color	Tan

##### Electrical Specifications

Impedance, Ohms	50
Velocity of Propagation, %	69.5
Maximum Operating Frequency, GHz	20
Capacitance, pF/ft [pF/m]	29.6 [97.11]
Maximum Operating Voltage, Volts	3,000
Dielectric Withstanding Voltage, Vrms	7,500

##### Electrical Specifications by Frequency

###### Frequency 1

Frequency, MHz	1000
Attenuation, dB/100ft [dB/100m]	7.5 [24.61]
Power Handling, KWatts	1,400

###### Frequency 2

Frequency, GHz	10
Attenuation, dB/100ft [dB/100m]	33 [108.27]
Power Handling, Watts	350

###### Frequency 3

Frequency, GHz	20
Attenuation, dB/100ft [dB/100m]	48 [157.48]
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]

Click the following link (or enter part number in "SEARCH" on website) to obtain additional part information including price, inventory and certifications: [RG401 Coax Cable with Copper RG401/U](#)

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.



## RG401 Coax Cable with Copper

### TECHNICAL DATA SHEET

RG401/U

**Dielectric:**

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

**Shield:**

Number of	1
Material 1	Copper
Diameter, in [mm]	0.25 [6.35]

**Jacket:**

Color	Tan
One Time Minimum Bend Radius, in [mm]	0.25 [6.35]
Weight, lbs/ft [Kg/m]	0.105 [0.16]

**Compliance Certifications** (visit [www.Pasternack.com](http://www.Pasternack.com) for current document)

RoHS Compliant	Yes
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**Plotted and Other Data**

Notes:	Values at 25 °C, sea level
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RG401 Coax Cable with Copper 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: [RG401 Coax Cable with Copper RG401/U](#)

URL: <http://www.pasternack.com/semirigid-0.250-rg401-50-ohm-coax-cable-copper-rg401-u-p.aspx>

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**PASTERNAK ENTERPRISES RG401/U**

IMPEDANCE: 50 OHMS  
 INNER CONDUCTOR DIAMETER: .0641"  
 INNER CONDUCTOR MATERIAL: SILVER COVERED COPPER  
 DIELECTRIC DIAMETER: .209"  
 DIELECTRIC MATERIAL: SOLID POLYTETRAFLUOROETHYLENE  
 OUTER DIAMETER: .250"  
 OUTER SHIELD: BARE COPPER TUBE  
 OPERATING TEMPERATURE: - 55° TO + 150° C  
 MAX OPERATING VOLTAGE (VOLTS RMS): 3,000

NOMINAL ATTENUATION ( PER 100 FEET )

1 GHz	7.5 dB
10 GHz	33.0 dB
20 GHz	48.00 dB

MAXIMUM POWER HANDLING ( AVERAGE POWER IN WATTS )

1 GHz	1,400
10 GHz	350
20 GHz	200



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DWG TITLE

**RG401/U**

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 2. ALL SPECIFICATIONS ARE SUBJECT TO CHANGE WITHOUT NOTICE AT ANY TIME.  
 3. DIMENSIONS ARE IN INCHES [mm].

REV. B

FSCM NO. 53919

CAD FILE 070512

SCALE N/A

SIZE A

2233