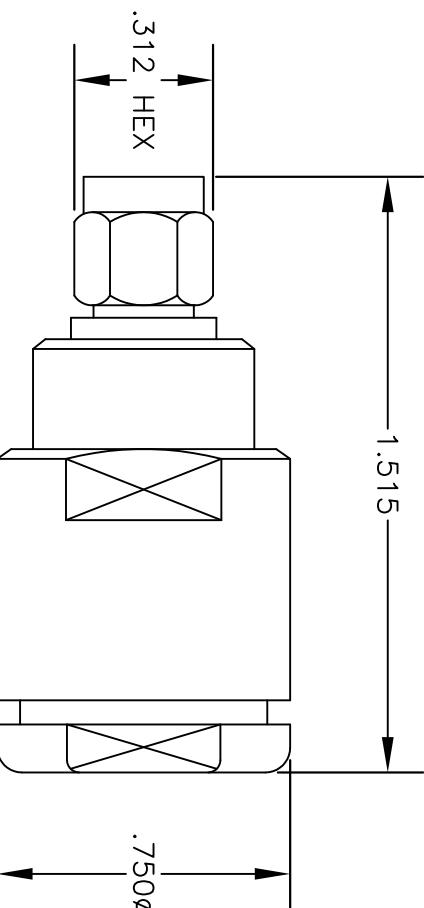


MATERIALS	
BODY	BRASS NICKEL PLATED
CONTACT	GOLD PLATED
INSULATOR	PTFE
SOLDER ADAPTER	GOLD PLATED

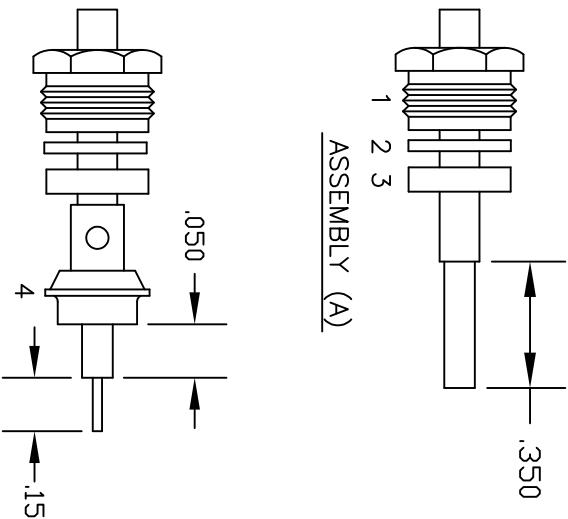


#### ASSEMBLY PROCEDURES

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.



PATERNACK ENTERPRISES, INC.

P.O. BOX 16759, IRVINE, CA 92623  
PHONE (949) 261-1920 FAX (949) 261-7451

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E-MAIL ADDRESS: [sales@paternack.com](mailto:sales@paternack.com)

COAXIAL & FIBER OPTICS

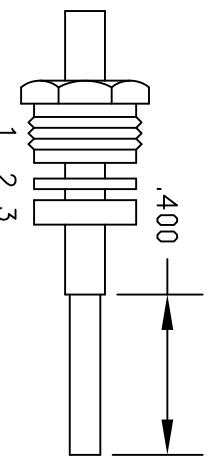
DWG TITLE  
**PE4403**

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

SIZE A FSCM NO. 53919 CAD FILE 051302 SCALE N/A 127

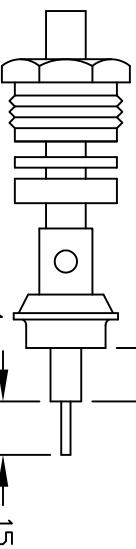
NOTES:  
1. UNLESS OTHERWISE SPECIFIED ALL DIMENSIONS ARE NOMINAL.  
2. ALL SPECIFICATIONS ARE SUBJECT TO CHANGE WITHOUT NOTICE AT ANY TIME.

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



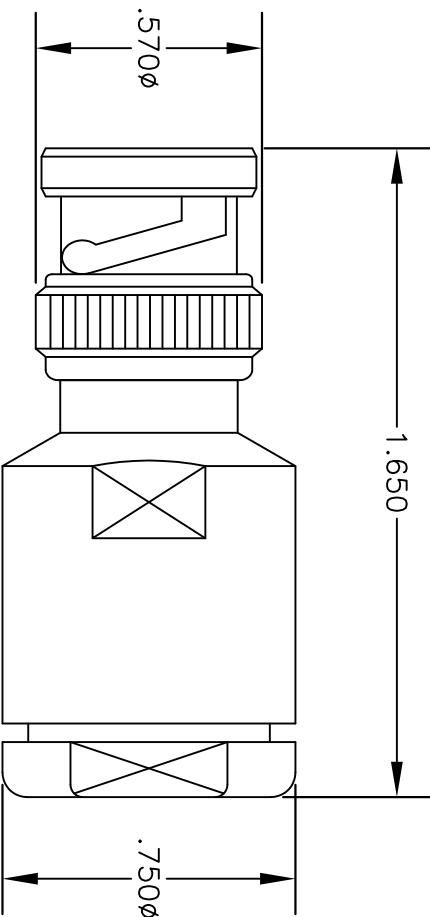
ASSEMBLY (A)

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.



ASSEMBLY (B)

ASSEMBLY PROCEDURES



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COAXIAL & FIBER OPTICS

DWG TITLE

**PE4380**

DES. BNC MALE, CLAMP ATTACHMENT FOR  
RG401, PE-SR401AL & PE-SR401FL

SIZE A

FSCM NO.

53919

CAD FILE

051002

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.

## 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
------------------------	-------------

###### 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>

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 ENTERPRISES RG401/U**

IMPEDANCE: 50 OHMS  
INNER CONDUCTOR DIAMETER: .0641"  
INNER CONDUCTOR MATERIAL: SILVER COVERED COPPER  
DIELECTRIC DIAMETER: .209"  
DIELECTRIC MATERIAL: SOLID POLYETRAFLUOROETHYLENE  
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

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].

PASTERNACK ENTERPRISES, INC.	DWG TITLE				
PASTERNACK ENTERPRISES®		REV. B	FSCM NO.	CAD FILE	SCALE
P.O. BOX 16759, IRVINE, CA 92623 PHONE (949) 261-1920 FAX (949) 261-7451 WEB ADDRESS: <a href="http://www.pasternack.com">www.pasternack.com</a> E-MAIL ADDRESS: <a href="mailto:sales@pasternack.com">sales@pasternack.com</a>	<b>RG401/U</b>		53919	070512	N/A
COAXIAL & FIBER OPTICS					SIZE A
ESTABLISHED 1972					2233