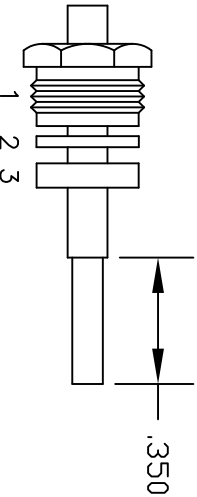
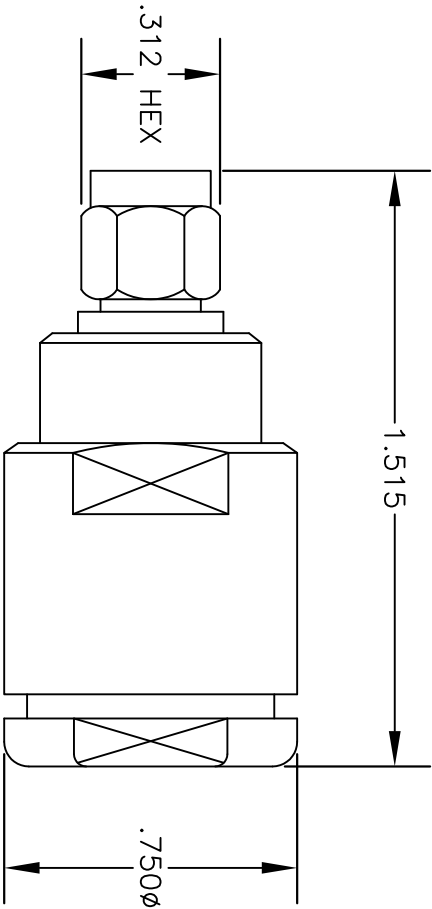
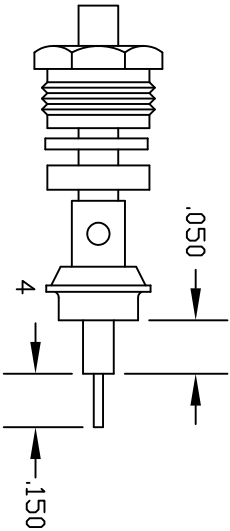


| MATERIALS      |                     |
|----------------|---------------------|
| BODY           | BRASS NICKEL PLATED |
| CONTACT        | GOLD PLATED         |
| INSULATOR      | PTFE                |
| SOLDER ADAPTER | GOLD PLATED         |



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.



**PASTERNAK ENTERPRISES®**  
ESTABLISHED 1972

**PASTERNAK ENTERPRISES, INC.**  
P.O. BOX 16759, IRVINE, CA 92623  
PHONE (949) 261-1920 FAX (949) 261-7451  
WEB ADDRESS: [www.pasternack.com](http://www.pasternack.com)  
E-MAIL ADDRESS: [sales@pasternack.com](mailto:sales@pasternack.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

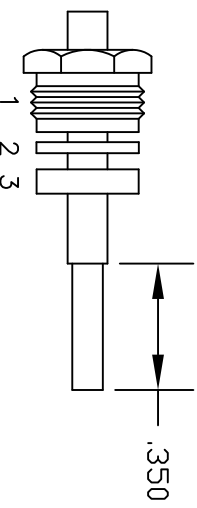
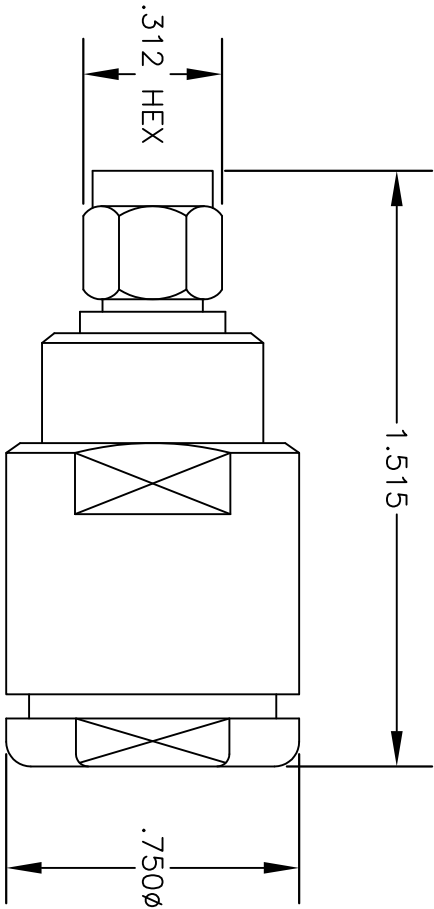
SCALE N/A

127

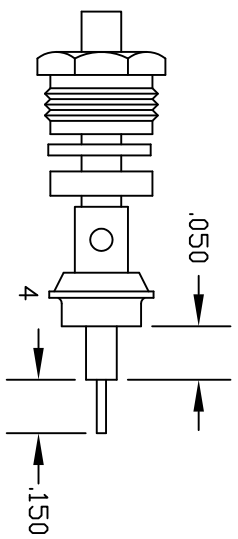
#### NOTES:

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 | GOLD PLATED         |



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.



**PASTERNAK ENTERPRISES, INC.**  
 P.O. BOX 16759, IRVINE, CA 92623  
 PHONE (949) 261-1920 FAX (949) 261-7451  
 WEB ADDRESS: [www.pasternack.com](http://www.pasternack.com)  
 E-MAIL ADDRESS: [sales@pasternack.com](mailto:sales@pasternack.com)  
**COAXIAL & FIBER OPTICS**

**PASTERNAK ENTERPRISES®**  
 ESTABLISHED 1972

|               |                |                                                           |        |
|---------------|----------------|-----------------------------------------------------------|--------|
| DWG TITLE     |                | DES.                                                      |        |
| <b>PE4403</b> |                | 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.

## 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 |
|----------------|-----|

**Plotted and Other Data**

|        |                            |
|--------|----------------------------|
| Notes: | Values at 25 °C, sea level |
|--------|----------------------------|

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.

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   |



PASTERNAK ENTERPRISES, INC.  
P.O BOX 16759, IRVINE, CA 92623  
PHONE (949) 261-1920 FAX (949) 261-7451  
WEB ADDRESS: www.pasternack.com  
E-MAIL ADDRESS: sales@pasternack.com  
COAXIAL & FIBER OPTICS

DWG TITLE

RG401/U

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. B

FSCM NO. 53919

CAD FILE 070512

SCALE N/A

SIZE A

2233