

HN Male Right Angle Connector Clamp/Solder Attachment for RG55, RG58, RG141, RG142, RG223, RG303, RG400, PE-C195, PE-P195, LMR-195



## RF Connectors Technical Data Sheet

PE4480

### Configuration

- HN Male Connector
- MIL-STD-348
- 50 Ohms
- Right Angle Body Geometry

- RG55, RG58, RG141, RG142, RG223, RG303, RG400, PE-C195, PE-P195, LMR-195 Interface Type
- Clamp/Solder Attachment

### Features

- Silver Plated Contact
- Contact plating according to QQ-S-365

### Applications

- General Purpose Test
- Custom Cable Assemblies

### Description

Pasternack's PE4480 HN male right angle connector with clamp/solder attachment for RG55, RG58, RG141, RG142, RG223, RG303, RG400, PE-C195, PE-P195 and LMR-195 is part of our full line of RF components available for same-day shipping. Its right angle body geometry allows for easier connections in tight spaces.

Our HN male right angle connector PE4480 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.  
Height  
Weight

1.75 in [44.45 mm]  
0.9 in [22.86 mm]  
1.465 in [37.21 mm]  
0.178 lbs [80.74 g]

Click the following link (or enter part number in "SEARCH" on website) to obtain additional part information including price, inventory and certifications: [HN Male Right Angle Connector Clamp/Solder Attachment for RG55, RG58, RG141, RG142, RG223, RG303, RG400, PE-C195, PE-P195, LMR-195 PE4480](#)

HN Male Right Angle Connector Clamp/Solder Attachment for RG55, RG58, RG141, RG142, RG223, RG303, RG400, PE-C195, PE-P195, LMR-195



## RF Connectors Technical Data Sheet

PE4480

### Material Specifications

| Description  | Material | Plating            |
|--------------|----------|--------------------|
| Contact      |          | Silver<br>QQ-S-365 |
| Insulation   | PTFE     |                    |
| Body         | Brass    | Nickel<br>QQ-N-290 |
| Coupling Nut | Brass    | Nickel<br>QQ-N-290 |

### Environmental Specifications

#### Temperature

Operating Range

-65 to +165 deg C

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

### Plotted and Other Data

Notes:

HN Male Right Angle Connector Clamp/Solder Attachment for RG55, RG58, RG141, RG142, RG223, RG303, RG400, PE-C195, PE-P195, LMR-195 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: [HN Male Right Angle Connector Clamp/Solder Attachment for RG55, RG58, RG141, RG142, RG223, RG303, RG400, PE-C195, PE-P195, LMR-195 PE4480](#)

URL: <https://www.pasternack.com/hn-male-standard-rg58-rg55-rg141-rg142-rg223-rg400-connector-pe4480-p.aspx>

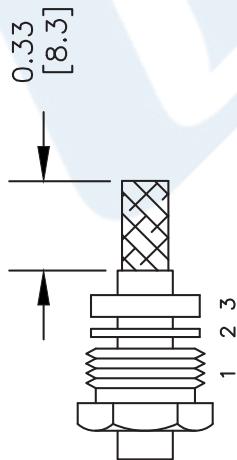
The information contained in this document is accurate to the best of our knowledge and representative of the part described herein. It may be necessary to make modifications to the part and/or the documentation of the part, in order to implement improvements. Pasternack reserves the right to make such 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.

# PE4480 CAD Drawing

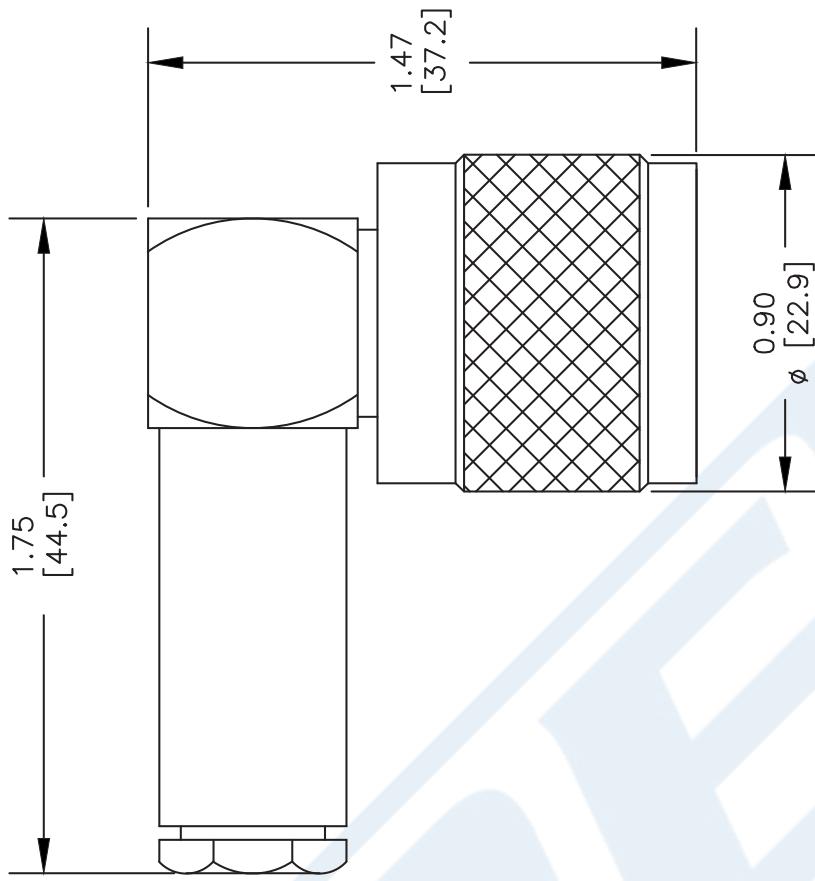
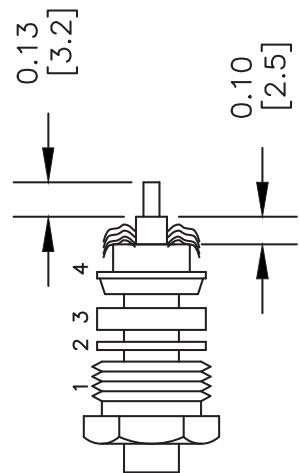
HN Male Right Angle Connector Clamp/Solder Attachment for RG55, RG58, RG141, RG142, RG223, RG303, RG400, PE-C195, PE-P195, LMR-195

## ASSEMBLY PROCEDURES

1. SLIDE CLAMP NUT (1), WASHER (2) & GASKET (3) OVER CABLE. STRIP CABLE AS SHOWN. DO NOT NICK BRAID WHILE CUTTING JACKET. TAPER END OF BRAID TO PERMIT ASSEMBLY OF BRAID CLAMP (4). SLIDE BRAID CLAMP (4) OVER BRAID & SEAT AGAINST CABLE.



2. FORM BRAID OVER CLAMP NUT (4). TRIM BRAID BACK TO SHOULDER. CUT DIELECTRIC & CENTER CONDUCTOR TO DIMENSION SHOWN. DO NOT NICK CENTER CONDUCTOR. SOLDER CONTACT TO CENTER CONDUCTOR. REMOVE EXCESS SOLDER. DO NOT OVER HEAT DIELECTRIC. INSERT CABLE ASSEMBLY INTO BODY & TIGHTEN.



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.

| REV. - | FSCM NO. | 53919 | CAD FILE | 051602 | SCALE N/A | SIZE A | 2233 |
|--------|----------|-------|----------|--------|-----------|--------|------|
|        |          |       |          |        |           |        |      |


**MHV Male Connector Crimp/Solder Attachment  
for RG55, RG141, RG142, RG223, RG400**
**TECHNICAL DATA SHEET**
**PE4657**
**Configuration**

|                                    |                                  |
|------------------------------------|----------------------------------|
| Connector                          | MHV Male                         |
| Connector Specification            | MIL-STD-348A                     |
| Connector Interface Type           | RG55, RG141, RG142, RG223, RG400 |
| Attachment Method (Shield/Contact) | Crimp/Solder                     |
| Body Style                         | Straight                         |

**Electrical Specifications**

|                           |               |
|---------------------------|---------------|
| Frequency Range           | DC to 300 MHz |
| Impedance                 | 50 Ohms       |
| Maximum Operating Voltage | 1,600 Volts   |

**Mechanical Specifications**

|                 |                   |
|-----------------|-------------------|
| Temperature     | -65 to +165 deg C |
| Operating Range |                   |

**Size**

|            |                     |
|------------|---------------------|
| Length     | 1.5 in [38.1 mm]    |
| Width/Dia. | 0.57 in [14.48 mm]  |
| Weight     | 0.034 lbs [15.42 g] |

**Connector**

|                                    |                       |
|------------------------------------|-----------------------|
| Type                               | MHV Male              |
| Contact Material and Plating       | Brass, Gold           |
| Contact Plating Specification      | 30 $\mu$ in. minimum  |
| Coupling Nut Material and Plating  | Brass, Nickel         |
| Coupling Nut Plating Specification | 100 $\mu$ in. minimum |
| Body Material and Plating          | Brass, Nickel         |
| Body Plating Specification         | 100 $\mu$ in. minimum |
| Dielectric Type                    | Teflon                |

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

RoHS Compliant

Click the following link (or enter part number in "SEARCH" on website) to obtain additional part information including price, inventory and certifications: [MHV Male Connector Crimp/Solder Attachment for RG55, RG141, RG142, RG223, RG400 PE4657](#)



## MHV Male Connector Crimp/Solder Attachment for RG55, RG141, RG142, RG223, RG400

### TECHNICAL DATA SHEET

PE4657

#### Plotted and Other Data

Notes:

- Values at +25 °C, sea level

MHV Male Connector Crimp/Solder Attachment for RG55, RG141, RG142, RG223, RG400 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.

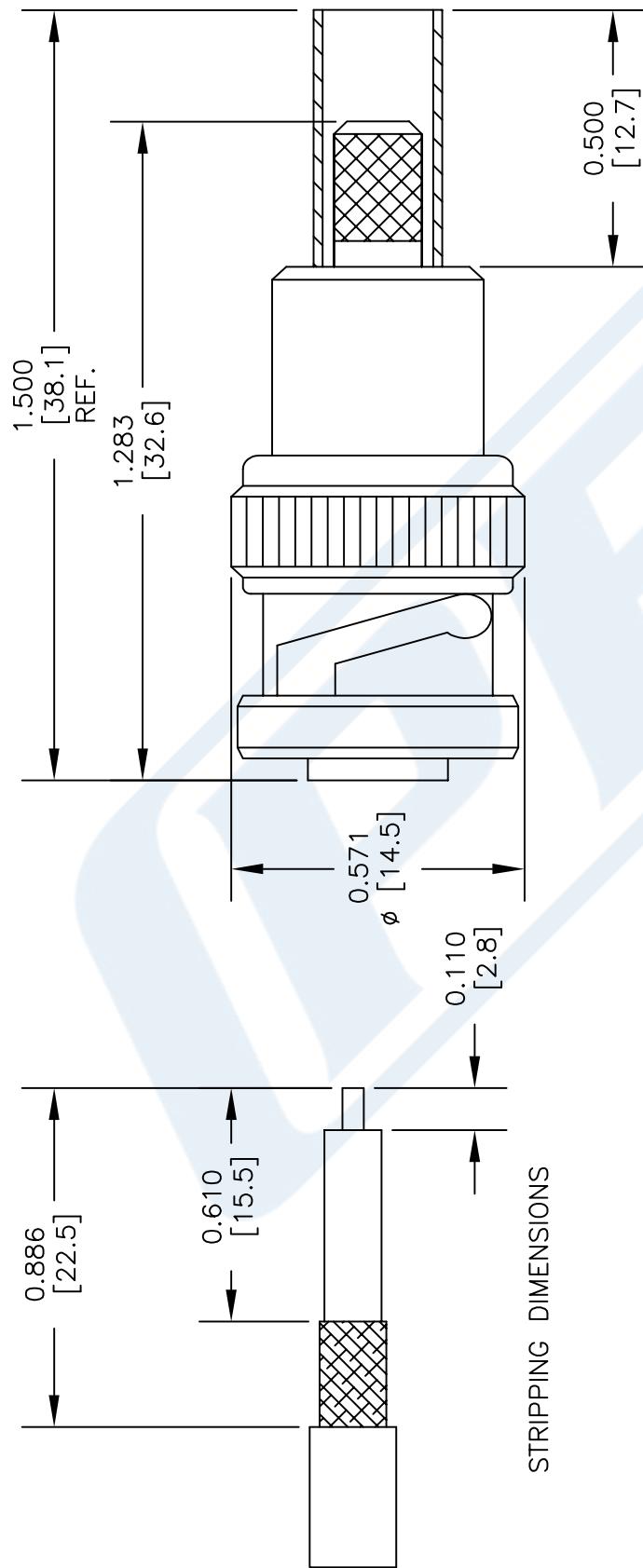
Click the following link (or enter part number in "SEARCH" on website) to obtain additional part information including price, inventory and certifications: [MHV Male Connector Crimp/Solder Attachment for RG55, RG141, RG142, RG223, RG400 PE4657](#)

URL: <http://www.pasternack.com/mhv-male-rg55-rg141-rg142-rg223-rg400-connector-pe4657-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.

# PE4657 CAD Drawing

MHV Male Connector Crimp/Solder Attachment for RG55, RG141, RG142, RG223, RG400



### CRIMP SIZE REQUIRED

CONTACT: 079 [2.0] HEX CRIMP TOOL  
FERRULE: .213 [5.6] HEX CRIMP TOOL

**PASTERNACK®**  
THE ENGINEER'S RF SOURCE  
Pasternack Enterprises, Inc.  
P.O. Box 16759 | Irvine | CA | 92623  
Phone: (949) 261-1920 | Fax: (949) 261-7451  
Website: [www.pasternack.com](http://www.pasternack.com) | E-Mail: [sales@pasternack.com](mailto:sales@pasternack.com)

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].

|           |        |
|-----------|--------|
| DWG TITLE | PE4657 |
| FSCM NO.  | 53919  |
| CAD FILE  | 101514 |
| SCALE     | N/A    |
| SIZE      | A      |

# Flexible RG400 Coax Cable Double Shielded with Tan FEP Jacket

## TECHNICAL DATA SHEET

**RG400/U**

### Flexible RG400 Coax Cable Double Shielded with Tan FEP Jacket

#### Configuration

|                                      |  |
|--------------------------------------|--|
| Inner Conductor Material and Plating | Copper, Silver   |
| Dielectric Type                      | PTFE   |
| Shield Materials                     | Silver Plated Copper Braid, Silver Plated Copper Braid |
| Jacket Material and Color            | FEP, Tan   |

#### Electrical Specifications

|                                  |             |
|----------------------------------|-------------|
| Impedance, Ohms                  | 50          |
| Velocity of Propagation, %       | 69.5        |
| Maximum Operating Frequency, GHz | 12.4        |
| Capacitance, pF/ft [pF/m]        | 32 [104.99] |
| Maximum Operating Voltage, Volts | 1,900       |

#### Electrical Specifications by Frequency

##### Frequency 1

|                                 |             |
|---------------------------------|-------------|
| Frequency, MHz                  | 100         |
| Attenuation, dB/100ft [dB/100m] | 4.4 [14.44] |

##### Frequency 2

|                                 |              |
|---------------------------------|--------------|
| Frequency, MHz                  | 1000         |
| Attenuation, dB/100ft [dB/100m] | 14.7 [48.23] |

##### Frequency 3

|                                 |             |
|---------------------------------|-------------|
| Frequency, GHz                  | 5           |
| Attenuation, dB/100ft [dB/100m] | 36 [118.11] |

##### Frequency 4

|                                 |               |
|---------------------------------|---------------|
| Frequency, GHz                  | 11            |
| Attenuation, dB/100ft [dB/100m] | 57.9 [189.96] |

#### Mechanical Specifications

##### Temperature

|                        |             |
|------------------------|-------------|
| Operating Range, deg C | -55 to +200 |
|------------------------|-------------|

##### Inner Conductor

|                   |              |
|-------------------|--------------|
| Number of Strands | 19           |
| Material          | Copper       |
| Plating           | Silver       |
| Diameter, in [mm] | 0.039 [0.99] |

Click the following link (or enter part number in "SEARCH" on website) to obtain additional part information including price, inventory and certifications: [Flexible RG400 Coax Cable Double Shielded with Tan FEP Jacket RG400/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.



# Flexible RG400 Coax Cable Double Shielded with Tan FEP Jacket

## TECHNICAL DATA SHEET

**RG400/U**
**Dielectric:**

Type PTFE  
Diameter, in [mm] 0.116 [2.95]

**Shield:**

Number of 2  
Material 1 Silver Plated Copper Braid  
Material 2 Silver Plated Copper Braid  
Diameter, in [mm] 0.156 [3.96]

**Jacket:**

Material FEP  
Diameter, in [mm] 0.195 [4.95]  
Color Tan  
One Time Minimum Bend Radius, in [mm] 1 [25.4]  
Weight, lbs/ft [Kg/m] 0.046 [0.07]

**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

Flexible RG400 Coax Cable Double Shielded with Tan FEP Jacket 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.

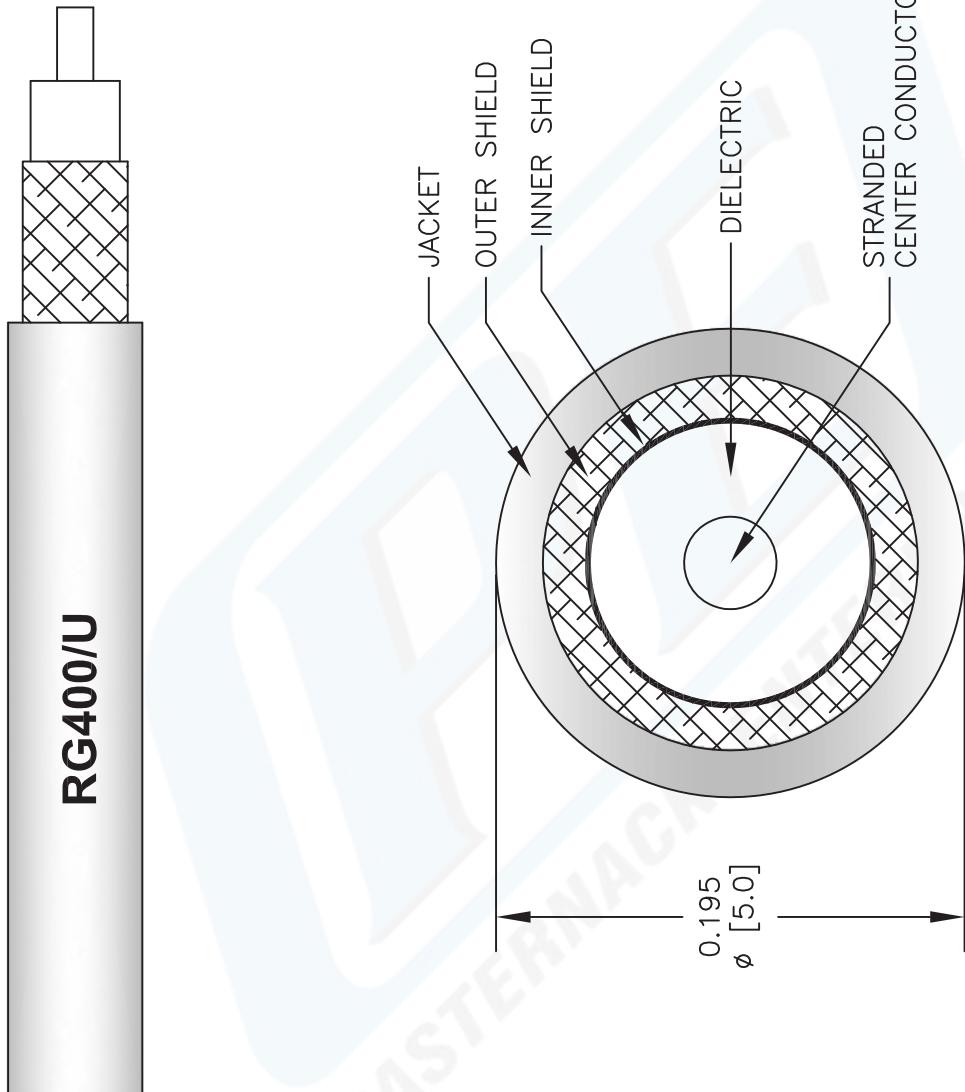
Click the following link (or enter part number in "SEARCH" on website) to obtain additional part information including price, inventory and certifications: [Flexible RG400 Coax Cable Double Shielded with Tan FEP Jacket RG400/U](http://www.pasternack.com/flexible-0.195-rg400-stranded-center-conductor-50-ohm-coax-cable-fep-jacket-rg400-u-p.aspx)

URL: <http://www.pasternack.com/flexible-0.195-rg400-stranded-center-conductor-50-ohm-coax-cable-fep-jacket-rg400-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.

# RG400/U CAD Drawing

Flexible RG400 Coax Cable Double Shielded with Tan FEP Jacket



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® | DWG TITLE | RG400/U |       |        |
|-------------|-----------|---------|-------|--------|
| FSCM NO.    | CAD FILE  | 02908-A | SCALE | SIZE A |
|             |           |         |       | 2233   |

**PE PASTERNACK®**  
Pasternack Enterprises, Inc.  
P.O. Box 16759 | Irvine | CA | 92623  
Phone: (949) 261-1920 | Fax: (949) 261-7451  
Website: [www.pasternack.com](http://www.pasternack.com) | E-Mail: [sales@pasternack.com](mailto:sales@pasternack.com)