



## SHV Plug Connector Crimp/Solder Attachment for RG213, RG8

### RF Connectors Technical Data Sheet

**PE4496**

#### Configuration

- SHV Plug Connector
- 50 Ohms

- Straight Body Geometry
- Connector Interface Types: RG213, RG8

#### Features

- Max. Operating Frequency 300 MHz
- Gold Plated Brass Contact
- 30  $\mu$ inches minimum contact plating

#### Applications

- General Purpose Test
- Custom Cable Assemblies

#### Description

Pasternack's PE4496 SHV plug connector with crimp/solder attachment for RG213 and RG8 is part of our full line of RF components available for same-day shipping. Our SHV plug connector operates up to a maximum frequency of 300 MHz.

Our SHV plug connector PE4496 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.

#### Electrical Specifications

| Description            | Minimum | Typical | Maximum | Units |
|------------------------|---------|---------|---------|-------|
| Frequency Range        | DC      |         | 300     | MHz   |
| Operating Voltage (AC) |         |         | 3,500   | Vrms  |

#### Mechanical Specifications

##### Size

Length

2.11 in [53.59 mm]

Width/Dia.

0.571 in [14.50 mm]

Weight

0.055 lbs [24.95 g]

Click the following link (or enter part number in "SEARCH" on website) to obtain additional part information including price, inventory and certifications: [SHV Plug Connector Crimp/Solder Attachment for RG213, RG8 PE4496](#)



## SHV Plug Connector Crimp/Solder Attachment for RG213, RG8

### RF Connectors Technical Data Sheet

PE4496

#### Material Specifications

| Description | Material | Plating                            |
|-------------|----------|------------------------------------|
| Contact     | Brass    | Gold<br>30 $\mu$ inches minimum    |
| Insulation  | Teflon   |                                    |
| Body        | Brass    | Nickel<br>100 $\mu$ inches minimum |

#### Environmental Specifications

##### Temperature

Operating Range

-65 to +165 deg C

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

#### Plotted and Other Data

Notes:

SHV Plug Connector Crimp/Solder Attachment for RG213, RG8 from Pasternack Enterprises has same day shipment for domestic and International orders. Our RF, microwave and millimeter wave products maintain a 99.4% availability and are part of the broadest selection in the industry.

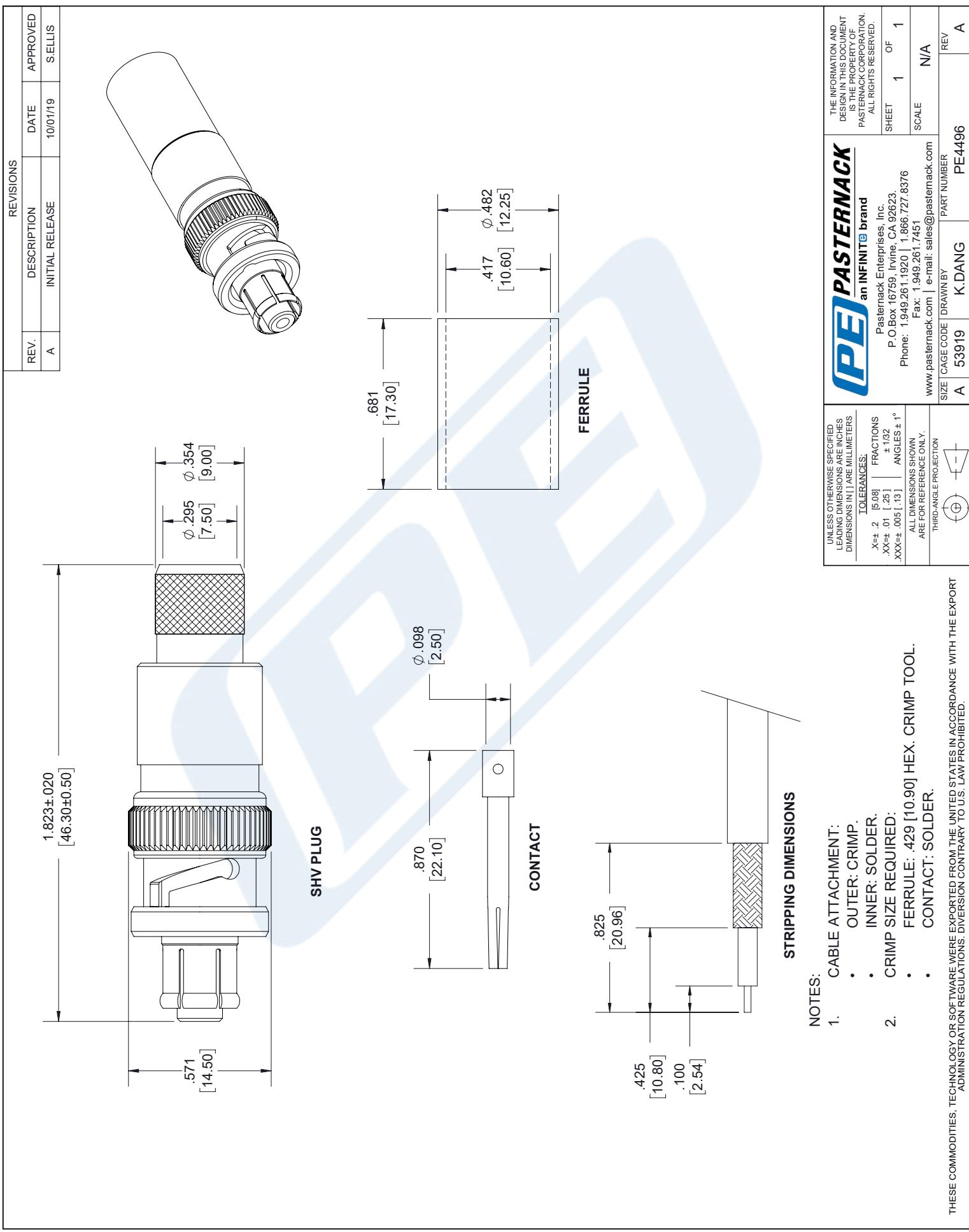
Click the following link (or enter part number in "SEARCH" on website) to obtain additional part information including price, inventory and certifications: [SHV Plug Connector Crimp/Solder Attachment for RG213, RG8 PE4496](#)

URL: <https://www.pasternack.com/shv-plug-standard-rg213-rg8-connector-pe4496-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.

# PE4496 CAD Drawing

SHV Plug Connector Crimp/Solder Attachment for RG213, RG8





## SHV plug clamp right angle for RG214

### RF Connectors Technical Data Sheet

**PE45851**

#### Configuration

- SHV Plug Connector
- MIL-STD-348A
- 50 Ohms

- Right Angle Body Geometry
- Connector Interface Types: RG214

#### Features

- Max. Operating Frequency 300 MHz
- Gold over Nickel over copper Plated Brass Contact

#### Applications

- General Purpose Test
- Custom Cable Assemblies

#### Description

Pasternack's PE45851 SHV plug right angle connector with crimp/solder attachment for RG214 is part of our full line of RF components available for same-day shipping. Our SHV plug connector operates up to a maximum frequency of 300 MHz. Its right angle body geometry allows for easier connections in tight spaces.

Our SHV plug right angle connector PE45851 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.

#### Electrical Specifications

| Description                          | Minimum | Typical | Maximum | Units |
|--------------------------------------|---------|---------|---------|-------|
| Frequency Range                      | DC      |         | 300     | MHz   |
| Operating Voltage (AC)               |         |         | 3,500   | Vrms  |
| Dielectric Withstanding Voltage (AC) |         |         | 5,000   | Vrms  |
| Inner Conductor DC Resistance        |         |         | 2       | mOhms |
| Outer Conductor DC Resistance        |         |         | 1.5     | mOhms |
| Insulation Resistance                | 5,000   |         |         | MOhms |

#### Mechanical Specifications

##### Size

|            |                     |
|------------|---------------------|
| Length     | 1.43 in [36.32 mm]  |
| Width/Dia. | 0.57 in [14.48 mm]  |
| Height     | 1.57 in [39.88 mm]  |
| Weight     | 0.048 lbs [21.77 g] |

Click the following link (or enter part number in "SEARCH" on website) to obtain additional part information including price, inventory and certifications: [SHV plug clamp right angle for RG214 PE45851](#)



## SHV plug clamp right angle for RG214

### RF Connectors Technical Data Sheet

**PE45851**

#### Material Specifications

| Description    | Material | Plating                          |
|----------------|----------|----------------------------------|
| Contact        | Brass    | Gold over Nickel over copper     |
| Contact Spring |          | Tinned Copper                    |
| Insulation     | Teflon   |                                  |
| Body           | Brass    | Tinned Copper                    |
| Coupling Nut   | Brass    | Tinned Copper                    |
| Gasket         | Silicon  |                                  |
| Washer         | Brass    | Tinned Copper<br>N3200-0214-11/W |
| O-Ring         | Silicon  |                                  |

#### Environmental Specifications

##### Temperature

Operating Range  
Thermal Shock

-65 to +165 deg C  
MIL-STD-202, Method 107, Condition B

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

#### Plotted and Other Data

Notes:

SHV plug clamp right angle for RG214 from Pasternack Enterprises has same day shipment for domestic and International orders. Our RF, microwave and millimeter wave products maintain a 99.4% availability and are part of the broadest selection in the industry.

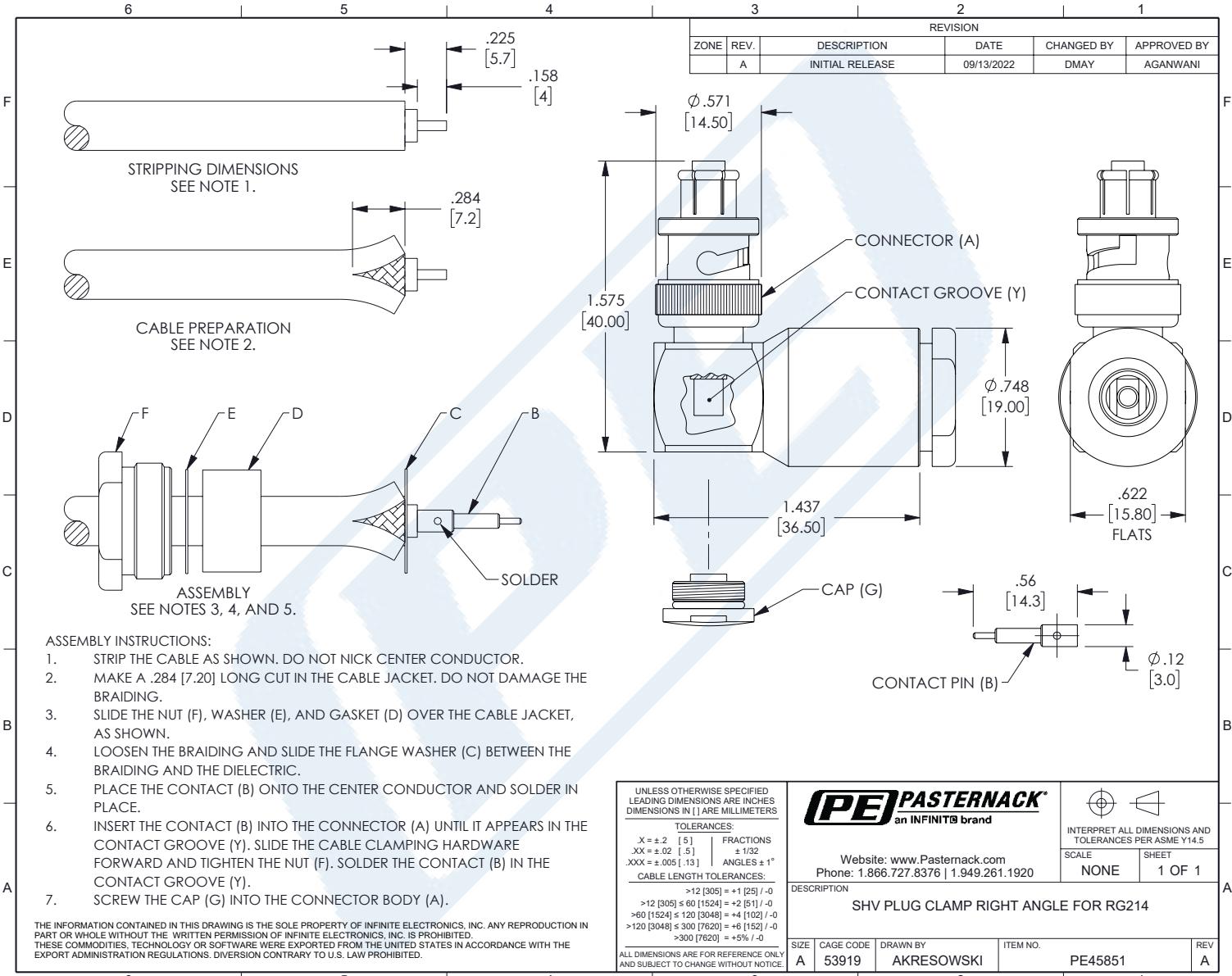
Click the following link (or enter part number in "SEARCH" on website) to obtain additional part information including price, inventory and certifications: [SHV plug clamp right angle for RG214 PE45851](#)

URL: <https://www.pasternack.com/shv-plug-rg214-connector-pe45851-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.

# PE45851 CAD Drawing

## SHV plug clamp right angle for RG214





## Flexible RG213 Coax Cable Single Shielded with Black PVC Jacket

### TECHNICAL DATA SHEET

RG213/U

#### Configuration

|                                      |              |
|--------------------------------------|--------------|
| Inner Conductor Material and Plating | Copper       |
| Dielectric Type                      | PE           |
| Shield Materials                     | Copper Braid |
| Jacket Material and Color            | PVC, Black   |

#### Electrical Specifications

|                                  |               |
|----------------------------------|---------------|
| Impedance, Ohms                  | 50            |
| Velocity of Propagation, %       | 66            |
| Maximum Operating Frequency, MHz | 1000          |
| Capacitance, pF/ft [pF/m]        | 30.8 [101.05] |

#### Electrical Specifications by Frequency

##### Frequency 1

|                                 |            |
|---------------------------------|------------|
| Frequency, MHz                  | 100        |
| Attenuation, dB/100ft [dB/100m] | 2.1 [6.89] |

##### Frequency 2

|                                 |             |
|---------------------------------|-------------|
| Frequency, MHz                  | 400         |
| Attenuation, dB/100ft [dB/100m] | 4.8 [15.75] |

##### Frequency 3

|                                 |           |
|---------------------------------|-----------|
| Frequency, MHz                  | 1000      |
| Attenuation, dB/100ft [dB/100m] | 8 [26.25] |

#### Mechanical Specifications

##### Inner Conductor

|                   |             |
|-------------------|-------------|
| Number of Strands | 7           |
| Material          | Copper      |
| Diameter, in [mm] | 0.09 [2.29] |

##### Dielectric:

|                   |              |
|-------------------|--------------|
| Type              | PE           |
| Diameter, in [mm] | 0.285 [7.24] |

##### Shield:

|                   |              |
|-------------------|--------------|
| Number of         | 1            |
| Material 1        | Copper Braid |
| Diameter, in [mm] | 0.314 [7.98] |

Click the following link (or enter part number in "SEARCH" on website) to obtain additional part information including price, inventory and certifications: [Flexible RG213 Coax Cable Single Shielded with Black PVC Jacket RG213/U](#)



## Flexible RG213 Coax Cable Single Shielded with Black PVC Jacket

### TECHNICAL DATA SHEET

RG213/U

**Jacket:**

|                       |               |
|-----------------------|---------------|
| Material              | PVC           |
| Diameter, in [mm]     | 0.405 [10.29] |
| Color                 | Black         |
| Weight, lbs/ft [Kg/m] | 0.115 [0.17]  |

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

RoHS Compliant  
REACH Compliant

06/18/2012

**Plotted and Other Data**

## Notes:

- Values at +25 °C, sea level
- Max. Operating Voltage(VRMS): 5000

Flexible RG213 Coax Cable Single Shielded with Black PVC Jacket 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.

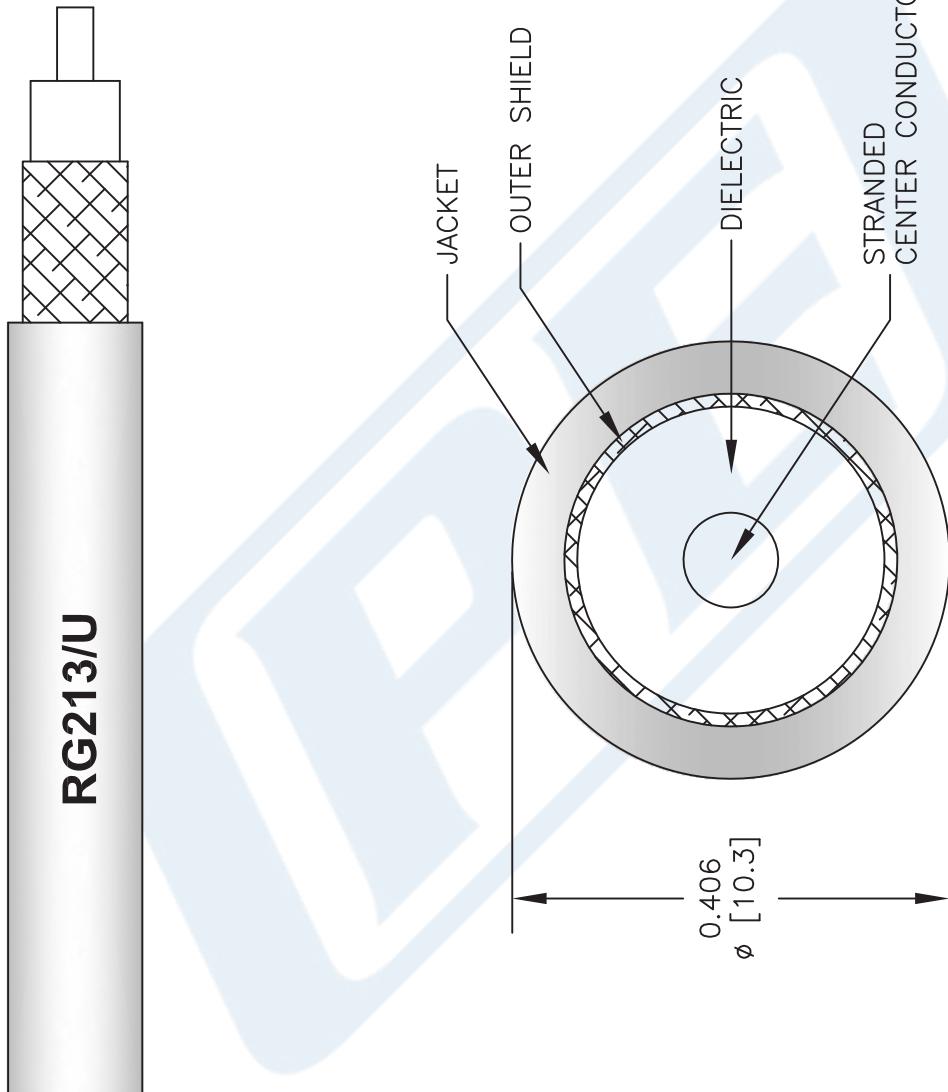
Click the following link (or enter part number in "SEARCH" on website) to obtain additional part information including price, inventory and certifications: [Flexible RG213 Coax Cable Single Shielded with Black PVC Jacket RG213/U](http://www.pasternack.com/flexible-0.405-rg213-50-ohm-coax-cable-pvc-jacket-rg213-u-p.aspx)

URL: <http://www.pasternack.com/flexible-0.405-rg213-50-ohm-coax-cable-pvc-jacket-rg213-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 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.

# RG213/U CAD Drawing

Flexible RG213 Coax Cable Single Shielded with Black PVC 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 | RG213/U  |        |      |
|-------------|-----------|----------|--------|------|
| FSCM NO.    | CAD FILE  | 061312-B | SCALE  | N/A  |
|             |           |          | 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)