



**BMA Jack Right Angle Slide-On Connector**  
**Crimp/Solder Attachment 2 Hole Flange Mount**  
**for RG142, RG223, RG400, RG55**

**RF Connectors Technical Data Sheet**

**PE45332**

**Configuration**

- Slide-On BMA Jack Connector
- 50 Ohms
- Right Angle Body Geometry
- RG142, RG223, RG400, RG55 Interface Type
- Crimp/Solder Attachment
- 2 Hole Flange

**Features**

- Max. Operating Frequency 12.4 GHz
- Good VSWR of 1.46:1
- Gold Plated Beryllium Copper Contact
- Blind Mate Connector
- Low-Engagement Force
- Radial and Axial Float Versions

**Applications**

- General Purpose Test
- Rack and Panel Mount Applications
- Custom Cable Assemblies
- Blind Mating
- Rack and Panel
- Phased Array Systems
- Base Stations
- RF Backplanes
- Test I/O

**Description**

Pasternack's PE45332 BMA jack slide-on right angle 2 hole flange mount connector with crimp/solder attachment for RG142, RG223, RG400 and RG55 is part of our full line of RF components available for same-day shipping. Our BMA jack connector operates up to a maximum frequency of 12.4 GHz and offers good VSWR of 1.46:1. The Pasternack blind mate connector is ideal for applications where direct visual or tactile access to the connection point is not possible, for example, when two circuit boards need to be mated. Its right angle body geometry allows for easier connections in tight spaces. This BMA 2 hole flange connector allows designers to create external connections on their product enclosures, and can be used in a variety of other rack mount and panel mount applications.

Our BMA jack right angle 2 hole flange connector PE45332 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		12.4	GHz
VSWR			1.46:1	
Insertion Loss			0.35	dB
Operating Voltage (AC)			350	Vrms
Dielectric Withstanding Voltage (AC)			1,000	Vrms
Insulation Resistance	5,000			MOhms

Click the following link (or enter part number in "SEARCH" on website) to obtain additional part information including price, inventory and certifications: [BMA Jack Right Angle Slide-On Connector Crimp/Solder Attachment 2 Hole Flange Mount for RG142, RG223, RG400, RG55 PE45332](#)



**BMA Jack Right Angle Slide-On Connector**  
**Crimp/Solder Attachment 2 Hole Flange Mount**  
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**RF Connectors Technical Data Sheet**

**PE45332**

**Mechanical Specifications**

**Size**

Length	0.87 in [22.1 mm]
Width/Dia.	0.37 in [9.40 mm]
Height	0.75 in [19.05 mm]
Weight	0.022 lbs [9.98 g]
Mating Cycles	500 Cycles

**Material Specifications**

Description	Material	Plating
Contact	Beryllium Copper	Gold
Insulation	PTFE	
Outer Conductor	Beryllium Copper	Gold
Body	Brass	Tri-Metal

**Mechanical Specification Notes:**

Recommended axial float mount for best electrical performance: 0.51 +/- 0.25 mm (.020" +/- .010)

**Environmental Specifications**

**Temperature**

Operating Range	-65 to +165 deg C
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**BMA Jack Right Angle Slide-On Connector**  
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**RF Connectors Technical Data Sheet**

**PE45332**

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

**Plotted and Other Data**

Notes:

BMA Jack Right Angle Slide-On Connector Crimp/Solder Attachment 2 Hole Flange Mount for RG142, RG223, RG400, RG55 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.

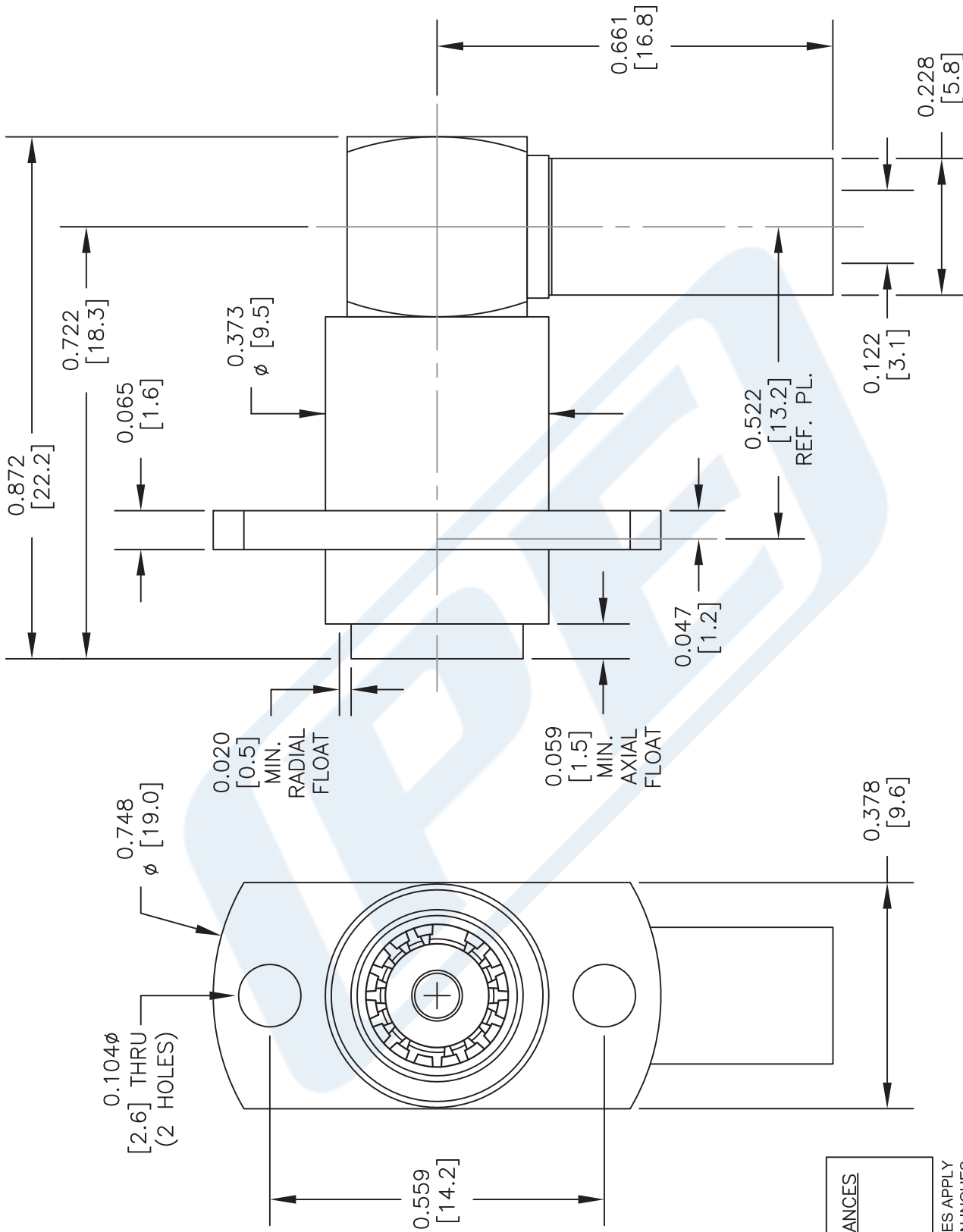
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URL: <https://www.pasternack.com/bma-jack-slide-on-rg142-rg223-rg400-rg55-connector-pe45332-p.aspx>

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.

# PE45332 CAD Drawing

BMA Jack Right Angle Slide-On Connector Crimp/Solder Attachment  
2 Hole Flange Mount for RG142, RG223, RG400, RG55



STANDARD TOLERANCES
.X ±0.2
.XX ±0.1
.XXX ±0.05

\*STANDARD TOLERANCES APPLY  
ONLY TO DIMENSIONS IN INCHES

DWG TITLE

**PE45332**

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.**  
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)

CAGE CODE 53919

CAD FILE 021617

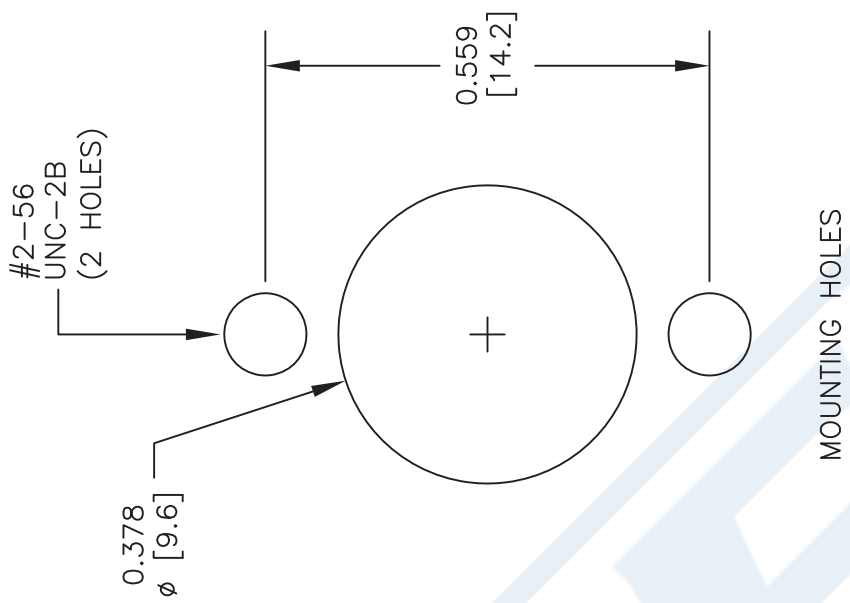
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2233

# PE45332 CAD Drawing

BMA Jack Right Angle Slide-On Connector Crimp/Solder Attachment  
2 Hole Flange Mount for RG142, RG223, RG400, RG55



## STRIPPING DIMENSIONS ASSEMBLY PROCEDURES

1. STRIP CABLE AS SHOWN. SLIDE FERRULE OVER CABLE.
2. INSTALL CABLE INTO BODY OF CONNECTOR AND SOFT SOLDER CENTER CONDUCTOR IN PLACE.
3. CRIMP FERRULE & PRESS CAP DOWN.

## CRIMP SIZE REQUIRED

FERRULE: .213" HEX CRIMP TOOL

STANDARD TOLERANCES	
.X	±0.2
.XX	±0.1
.XXX	±0.05

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**PASTERNAK®**  
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)

DWG TITLE  
**PE45332**

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CAGE CODE 53919

CAD FILE 021617  
SCALE N/A  
SIZE A  
2233



## SMA Male Right Angle Connector Crimp/Solder Attachment for RG55, RG142, RG223, RG400

### RF Connectors Technical Data Sheet

**PE4002**

#### Configuration

- SMA Male Connector
- MIL-STD-348A
- 50 Ohms
- Right Angle Body Geometry
- Connector Interface Types: RG55, RG142, RG223, RG400
- 5/16 inch Hex

#### Features

- Max. Operating Frequency 12.4 GHz
- Excellent VSWR of 1.23:1
- Gold Plated Brass Contact
- 50 µin minimum contact plating

#### Applications

- General Purpose Test
- Custom Cable Assemblies

#### Description

Pasternack's PE4002 SMA male right angle connector with crimp/solder attachment for RG55, RG142, RG223 and RG400 is part of our full line of RF components available for same-day shipping. Our SMA male connector operates up to a maximum frequency of 12.4 GHz and offers excellent VSWR of 1.23:1. Its right angle body geometry allows for easier connections in tight spaces.

Our SMA male right angle connector PE4002 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		12.4	GHz
VSWR			1.23:1	
Operating Voltage (AC)			500	Vrms

#### Mechanical Specifications

##### Size

Length	0.762 in [19.35 mm]
Width/Dia.	0.315 in [8.00 mm]
Height	0.65 in [16.51 mm]
Weight	0.019 lbs [8.62 g]
Mating Torque	3 to 5 in-lbs [0.34 to 0.57 Nm]

Click the following link (or enter part number in "SEARCH" on website) to obtain additional part information including price, inventory and certifications: [SMA Male Right Angle Connector Crimp/Solder Attachment for RG55, RG142, RG223, RG400 PE4002](#)





## SMA Male Right Angle Connector Crimp/Solder Attachment for RG55, RG142, RG223, RG400

### RF Connectors Technical Data Sheet

**PE4002**

#### Material Specifications

Description	Material	Plating
Contact	Brass	Gold 50 µin minimum
Insulation	PTFE	
Body	Brass	Nickel 100 µin minimum
Coupling Nut	Brass	Nickel 100 µin minimum
Crimp Sleeve	Brass	Nickel

#### Environmental Specifications

##### Temperature

Operating Range

-65 to +165 deg C

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

#### Plotted and Other Data

Notes:

SMA Male Right Angle Connector Crimp/Solder Attachment for RG55, RG142, RG223, RG400 from Pasternack Enterprises has same day shipment for domestic and International orders. Our RF, microwave and millimeter wave products maintain a 99.4% availability and are part of the broadest selection in the industry.

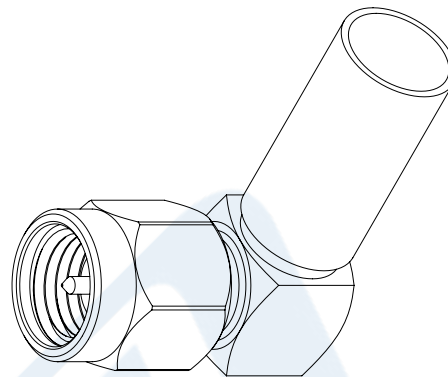
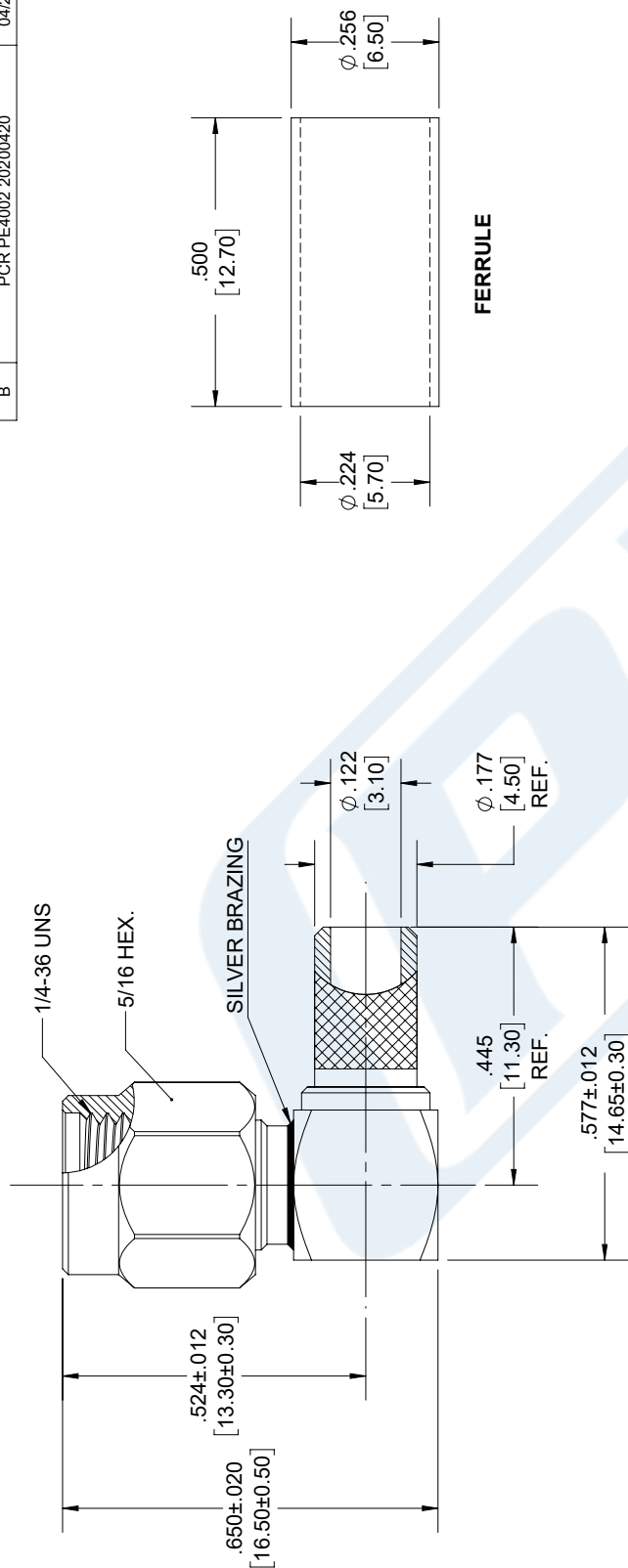
Click the following link (or enter part number in "SEARCH" on website) to obtain additional part information including price, inventory and certifications: [SMA Male Right Angle Connector Crimp/Solder Attachment for RG55, RG142, RG223, RG400 PE4002](#)

URL: <https://www.pasternack.com/sma-male-standard-rg55-rg142-rg223-rg400-connector-pe4002-p.aspx>

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## SMA Male Right Angle Connector Crimp/Solder Attachment for RG55, RG142, RG223, RG400

REVISIONS			
REV.	DESCRIPTION	DATE	APPROVED
B	PCR PE4002 20200420	04/20/2020	SELLIS



## FERRULE

# CAP

## STRIPPING DIMENSIONS

## NOTES:

1. CABLE ATTACHMENT:
  - OUTER: CRIMP.
  - INNER: SOLDER.
2. CRIMP SIZE REQUIRED:
  - FERRULE: 213 [5.40] HEX. CRIMP TOOL

UNLESS OTHERWISE SPECIFIED  
LEADING DIMENSIONS ARE INCHES  
DIMENSIONS IN [ ] ARE MILLIMETERS

TOLERANCES:	
X=± .2	FRACTIONS
.XX=± .01	± 1/32
XXX=± .005	ANGLES ± 1°

ALL DIMENSIONS SHOWN  
ARE FOR REFERENCE ONLY.

THIRD-ANGLE PROJECTION



Pasternack Enterprises, Inc.  
P.O.Box 16759, Irvine, CA 92623  
Phone: 1.949.261.1920 | 1.866.727.8376  
Fax: 1.949.261.7451

Fax: 1.949.261.7451  
 www.pasternack.com | e-mail: sales@pasternack.com

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SHEET 1 OF 1

SCALE  
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N/A	REV
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## 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
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##### 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](#)

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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
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**Plotted and Other Data**

Notes:	Values at 25 °C, sea level
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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.

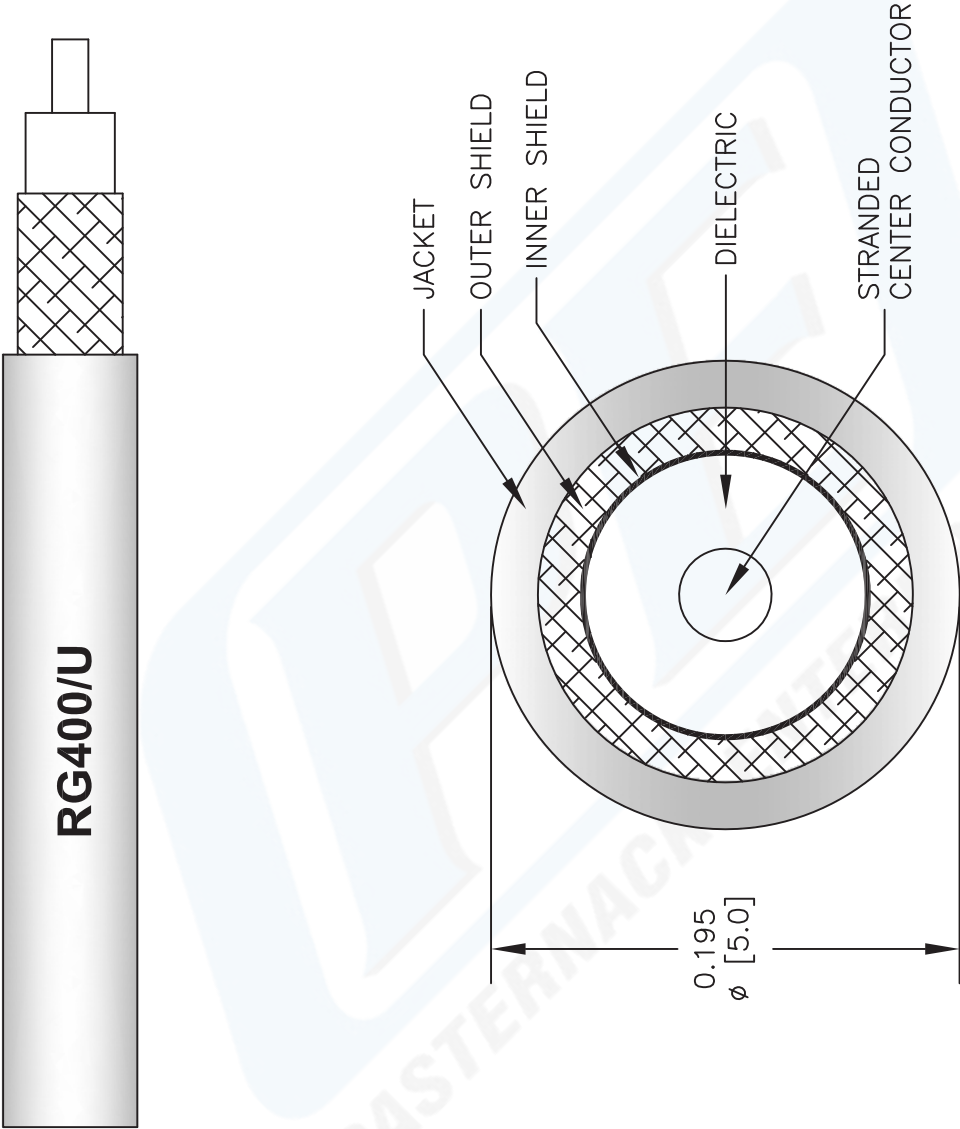
Click the following link (or enter part number in "SEARCH" on website) to obtain additional part information including price, inventory and certifications: [Flexible RG400 Coax Cable Double Shielded with Tan FEP Jacket RG400/U](#)

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

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RG400/U CAD Drawing

Flexible RG400 Coax Cable Double Shielded with Tan FEP Jacket



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DWG TITLE

RG400/U

FSCM NO. 53919

2233

SIZE A

SCALE N/A

CAD FILE 022908-A

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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)