



## N Male Right Angle Connector Crimp/Solder Attachment for RG214, RG9, RG225, RG393

### RF Connectors Technical Data Sheet

**PE4483**

#### Configuration

- N Male Connector
- MIL-STD-348A
- 50 Ohms
- Right Angle Body Geometry
- RG214, RG9, RG225, RG393 Interface Type
- Crimp/Solder Attachment

#### Features

- Max. Operating Frequency 11 GHz
- Gold Plated Brass Contact
- 30  $\mu$ m minimum contact plating

#### Applications

- General Purpose Test
- Custom Cable Assemblies

#### Description

Pasternack's PE4483 type N male right angle connector with crimp/solder attachment for RG214, RG9, RG225 and RG393 is part of our full line of RF components available for same-day shipping. Our type N male connector operates up to a maximum frequency of 11 GHz. Its right angle body geometry allows for easier connections in tight spaces.

Our type N male right angle connector PE4483 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		11	GHz
Operating Voltage (AC)			1,500	Vrms
Dielectric Withstanding Voltage (AC)			2,500	Vrms
Inner Conductor DC Resistance			1	mOhms
Outer Conductor DC Resistance			1	mOhms
Insulation Resistance	5,000			MOhms
RF Leakage	90			dB

#### Performance by Frequency

Description	F1	F2	F3	F4	F5	Units
Frequency Range	DC to 6					GHz
VSWR, Max	1.5:1					
Insertion Loss, Max	0.15					dB

Click the following link (or enter part number in "SEARCH" on website) to obtain additional part information including price, inventory and certifications: [N Male Right Angle Connector Crimp/Solder Attachment for RG214, RG9, RG225, RG393 PE4483](#)



N Male Right Angle Connector Crimp/Solder  
Attachment for RG214, RG9, RG225, RG393

RF Connectors Technical Data Sheet

PE4483

**Mechanical Specifications**

**Size**

Length	1.99 in [50.55 mm]
Width/Dia.	0.8 in [20.32 mm]
Height	1.29 in [32.77 mm]
Weight	0.135 lbs [61.23 g]
Mating Cycles	500 Cycles

**Material Specifications**

Description	Material	Plating
Contact	Brass	Gold 30 µin minimum
Insulation	PTFE	
Body	Brass	Nickel 100 µin minimum
Coupling Nut	Brass	Nickel
Crimp Sleeve	Brass	Nickel

**Environmental Specifications**

**Temperature**

Operating Range	-65 to +165 deg C
Vibration	MIL-STD-202, Method 204, Condition B
Temperature Cycle	MIL-STD-202, Method 107, Condition B
Salt Spray	MIL-STD-202, Method 101, Condition B

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

**Plotted and Other Data**

Notes:

Click the following link (or enter part number in "SEARCH" on website) to obtain additional part information including price, inventory and certifications: [N Male Right Angle Connector Crimp/Solder Attachment for RG214, RG9, RG225, RG393 PE4483](#)



## N Male Right Angle Connector Crimp/Solder Attachment for RG214, RG9, RG225, RG393

### RF Connectors Technical Data Sheet

PE4483

#### Assembly Instruction

N Male Right Angle Connector Crimp/Solder Attachment for RG214, RG9, RG225, RG393 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.

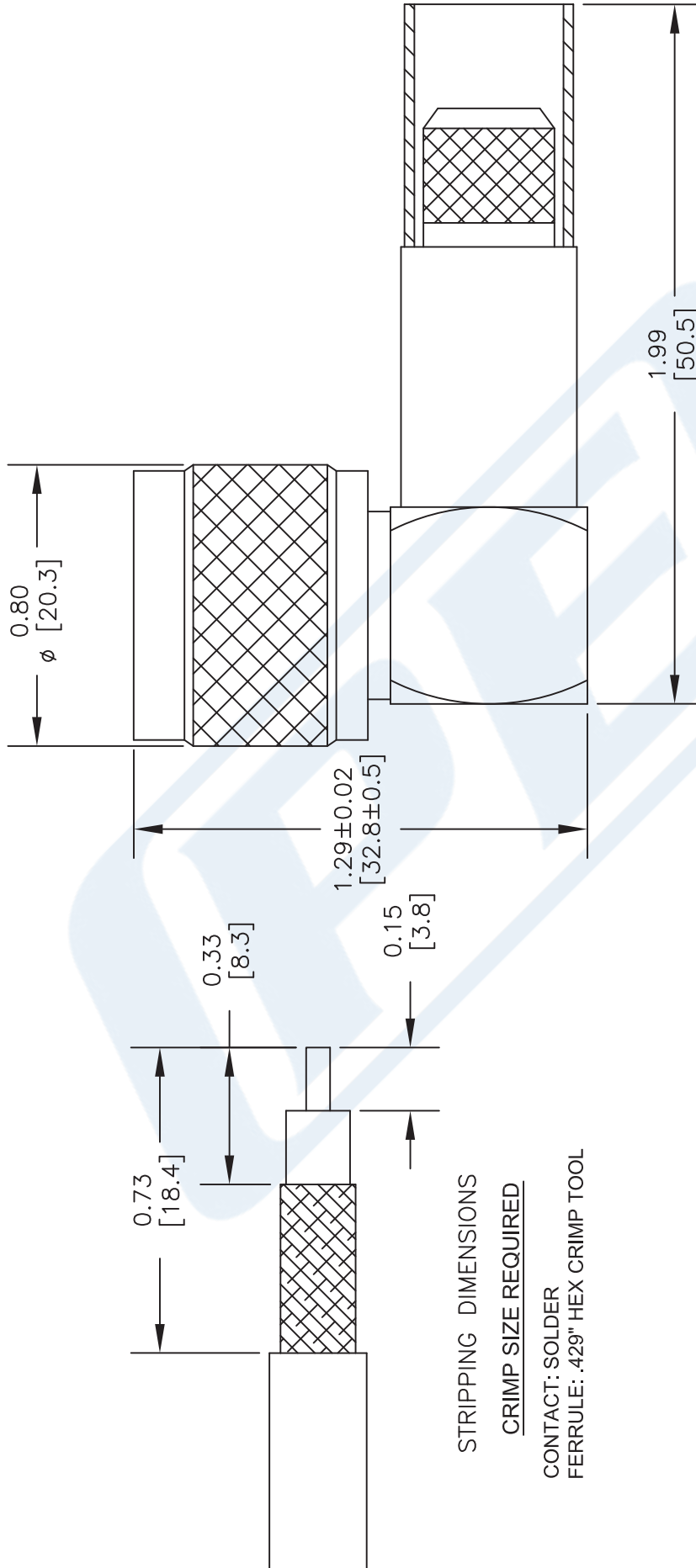
Click the following link (or enter part number in "SEARCH" on website) to obtain additional part information including price, inventory and certifications: [N Male Right Angle Connector Crimp/Solder Attachment for RG214, RG9, RG225, RG393 PE4483](https://www.pasternack.com/n-male-standard-rg214-rg9-rg225-rg393-connector-pe4483-p.aspx)

URL: <https://www.pasternack.com/n-male-standard-rg214-rg9-rg225-rg393-connector-pe4483-p.aspx>

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# PE4483 CAD Drawing

N Male Right Angle Connector Crimp/Solder Attachment for RG214, RG9, RG225, RG393



STRIPPING DIMENSIONS

CRIMP SIZE REQUIRED

CONTACT: SOLDER  
FERRULE: .429" HEX CRIMP TOOL

## STANDARD TOLERANCES

.X ±0.008  
.XX ±0.004  
.XXX ±0.002

\*STANDARD TOLERANCES APPLY  
ONLY TO DIMENSIONS IN INCHES

**PE PASTERNAK®**  
THE ENGINEER'S RF SOURCE

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DWG TITLE

**PE4483**

FSCM NO. 53919

CAD FILE 040116

SCALE N/A

SIZE A

XXX

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].



## HN Male Right Angle Connector Clamp/Solder Attachment for RG213, RG8, RG393, RG225, RG214, RG393, RG9

### RF Connectors Technical Data Sheet

PE4230

#### Configuration

- HN Male Connector
- MIL-STD-348A
- 50 Ohms
- Right Angle Body Geometry
- Connector Interface Types: RG213, RG8, RG393, RG225, RG214, RG393, RG9

#### Features

- Max. Operating Frequency 3 GHz
- Good VSWR of 1.3:1
- Gold Plated Brass Contact
- 30 µin minimum contact plating

#### Applications

- General Purpose Test
- Custom Cable Assemblies

#### Description

Pasternack's PE4230 HN male right angle connector with clamp/solder attachment for RG213, RG8, RG393, RG225, RG214, RG393 and RG9 is part of our full line of RF components available for same-day shipping. Our HN male connector operates up to a maximum frequency of 3 GHz and offers good VSWR of 1.3:1. Its right angle body geometry allows for easier connections in tight spaces.

Our HN male right angle connector PE4230 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		3	GHz
VSWR			1.3:1	
Operating Voltage (AC)			1,500	Vrms

#### Mechanical Specifications

##### Size

Length	1.85 in [46.99 mm]
Width/Dia.	0.866 in [22.00 mm]
Height	1.461 in [37.11 mm]
Weight	0.202 lbs [91.63 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 RG213, RG8, RG393, RG225, RG214, RG393, RG9 PE4230](#)



## HN Male Right Angle Connector Clamp/Solder Attachment for RG213, RG8, RG393, RG225, RG214, RG393, RG9

### RF Connectors Technical Data Sheet

PE4230

#### Material Specifications

Description	Material	Plating
Contact	Brass	Gold 30 µin minimum
Insulation	PTFE	
Body	Brass	Nickel 100 µin minimum
Coupling Nut	Brass	Nickel 100 µin minimum

#### Mechanical Specification Notes:

When attaching the connector to the cable use a clamp torque value of 60 to 65 in-lbs [6.78 to 7.34 Nm]

#### Environmental Specifications

##### Temperature

Operating Range -65 to +165 deg C

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

#### Plotted and Other Data

Notes:

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 RG213, RG8, RG393, RG225, RG214, RG393, RG9 PE4230](#)



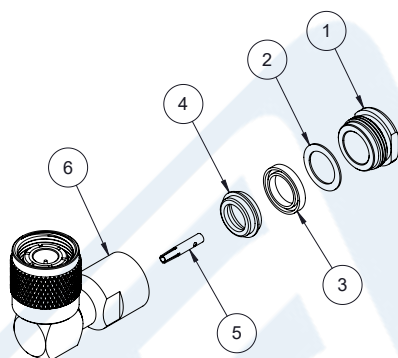


## HN Male Right Angle Connector Clamp/Solder Attachment for RG213, RG8, RG393, RG225, RG214, RG393, RG9

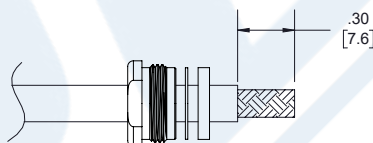
### RF Connectors Technical Data Sheet

PE4230

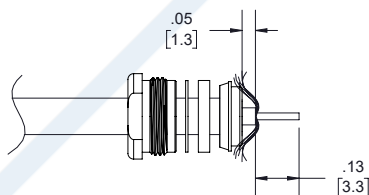
#### Assembly Instruction



1. SLIDE CLAMP NUT ①, THIN-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 CLAMP.



2. SLIDE BRAID CLAMP ④ OVER BRAID & SEAT AGAINST CABLE. FORM BRAID OVER CLAMP NUT. TRIM BRAID BACK TO SHOULDER. CUT DIELECTRIC & CENTER CONDUCTOR TO DIMENSION SHOWN. DO NOT NICK CENTER CONDUCTOR.



3. SOLDER CONTACT ⑤ TO CENTER CONDUCTOR. REMOVE EXCESS SOLDER. DO NOT OVER HEAT DIELECTRIC. INSERT CABLE ASSEMBLY INTO BODY ⑥ & TIGHTEN.



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 RG213, RG8, RG393, RG225, RG214, RG393, RG9 PE4230](#)



## HN Male Right Angle Connector Clamp/Solder Attachment for RG213, RG8, RG393, RG225, RG214, RG393, RG9

### RF Connectors Technical Data Sheet

PE4230

HN Male Right Angle Connector Clamp/Solder Attachment for RG213, RG8, RG393, RG225, RG214, RG393, RG9 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: [HN Male Right Angle Connector Clamp/Solder Attachment for RG213, RG8, RG393, RG225, RG214, RG393, RG9 PE4230](https://www.pasternack.com/hn-male-standard-rg213-rg214-rg8-rg9-rg225-rg393-connector-pe4230-p.aspx)

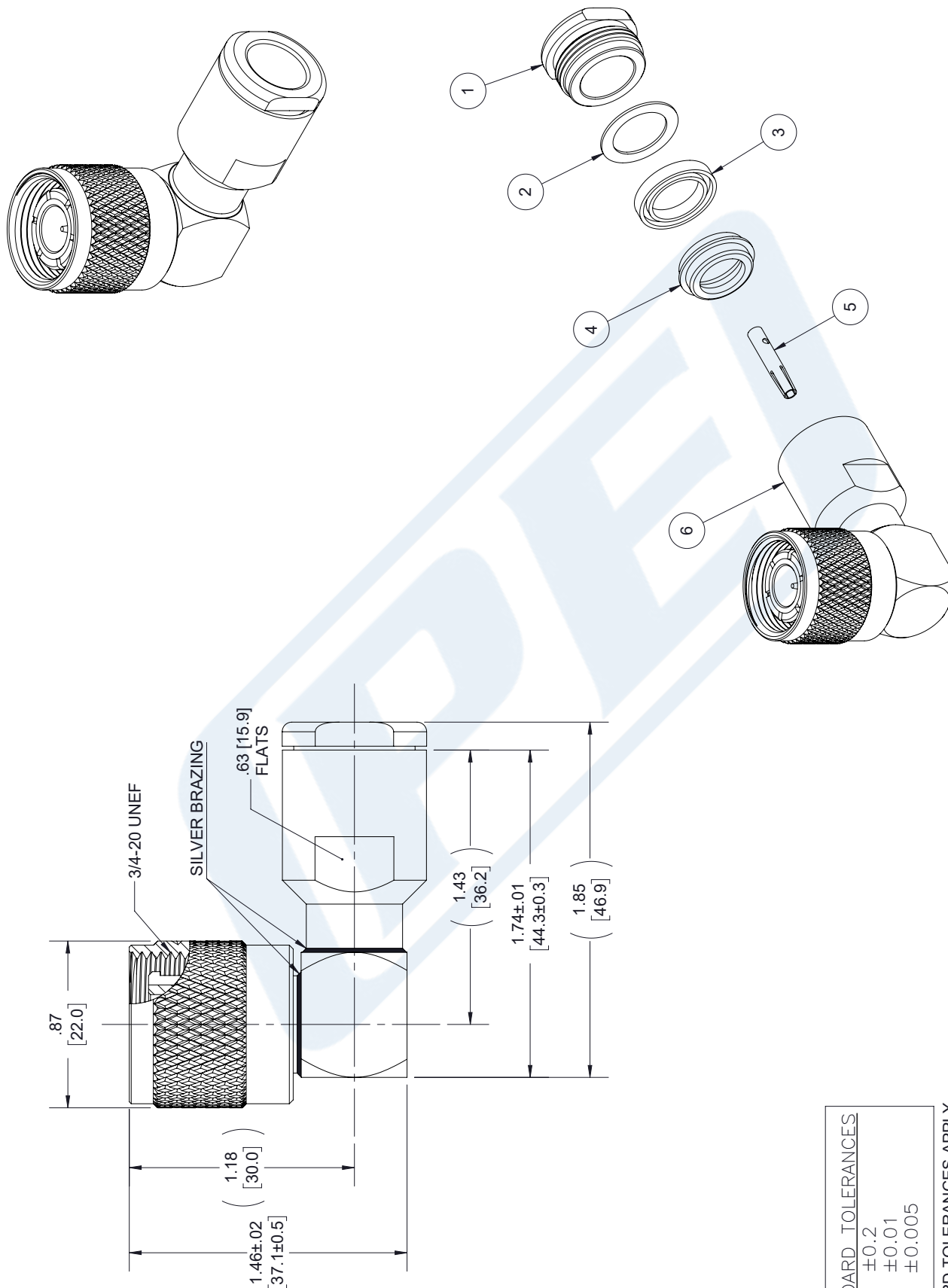
URL: <https://www.pasternack.com/hn-male-standard-rg213-rg214-rg8-rg9-rg225-rg393-connector-pe4230-p.aspx>

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# PE4230 CAD Drawing

HN Male Right Angle Connector Clamp/Solder Attachment for  
RG213, RG8, RG393, RG225, RG214, RG393, RG9



STANDARD TOLERANCES

.X ±0.2  
.XX ±0.01  
.XXX ±0.005

\*STANDARD TOLERANCES APPLY  
ONLY TO DIMENSIONS IN INCHES



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DWG TITLE

PE4230

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CAGE CODE 53919

CAD FILE 102517

SCALE N/A

SIZE A

7361



Flexible RG225 Coax Cable Double Shielded with  
Tan PTFE (Fiberglass reinforced) Jacket

TECHNICAL DATA SHEET

RG225/U

Flexible RG225 Coax Cable Double Shielded with Tan PTFE (FG) 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	PTFE (FG), Tan

**Electrical Specifications**

Impedance, Ohms	50
Maximum Operating Frequency, MHz	400
Capacitance, pF/ft [pF/m]	32.4 [106.3]
Dielectric Withstanding Voltage, Vrms	10,000

**Electrical Specifications by Frequency**  
**Frequency 1**

Frequency, MHz	400
Attenuation, dB/100ft [dB/100m]	5 [16.4]

**Mechanical Specifications**

**Inner Conductor**

Number of Strands	7
Material	Copper
Plating	Silver
Diameter, in [mm]	0.094 [2.39]

**Dielectric:**

Type	PTFE
Diameter, in [mm]	0.285 [7.24]

**Shield:**

Number of	2
Material 1	Silver Plated Copper Braid
Material 2	Silver Plated Copper Braid
Diameter, in [mm]	0.36 [9.14]

**Jacket:**

Material	PTFE (FG)
Diameter, in [mm]	0.43 [10.92]
Color	Tan
Weight, lbs/ft [Kg/m]	0.195 [0.29]

Click the following link (or enter part number in "SEARCH" on website) to obtain additional part information including price, inventory and certifications: [Flexible RG225 Coax Cable Double Shielded with Tan PTFE \(FG\) Jacket RG225/U](#)

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Flexible RG225 Coax Cable Double Shielded with  
Tan PTFE (Fiberglass reinforced) Jacket

TECHNICAL DATA SHEET

RG225/U

**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 RG225 Coax Cable Double Shielded with Tan PTFE (Fiberglass reinforced) 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.

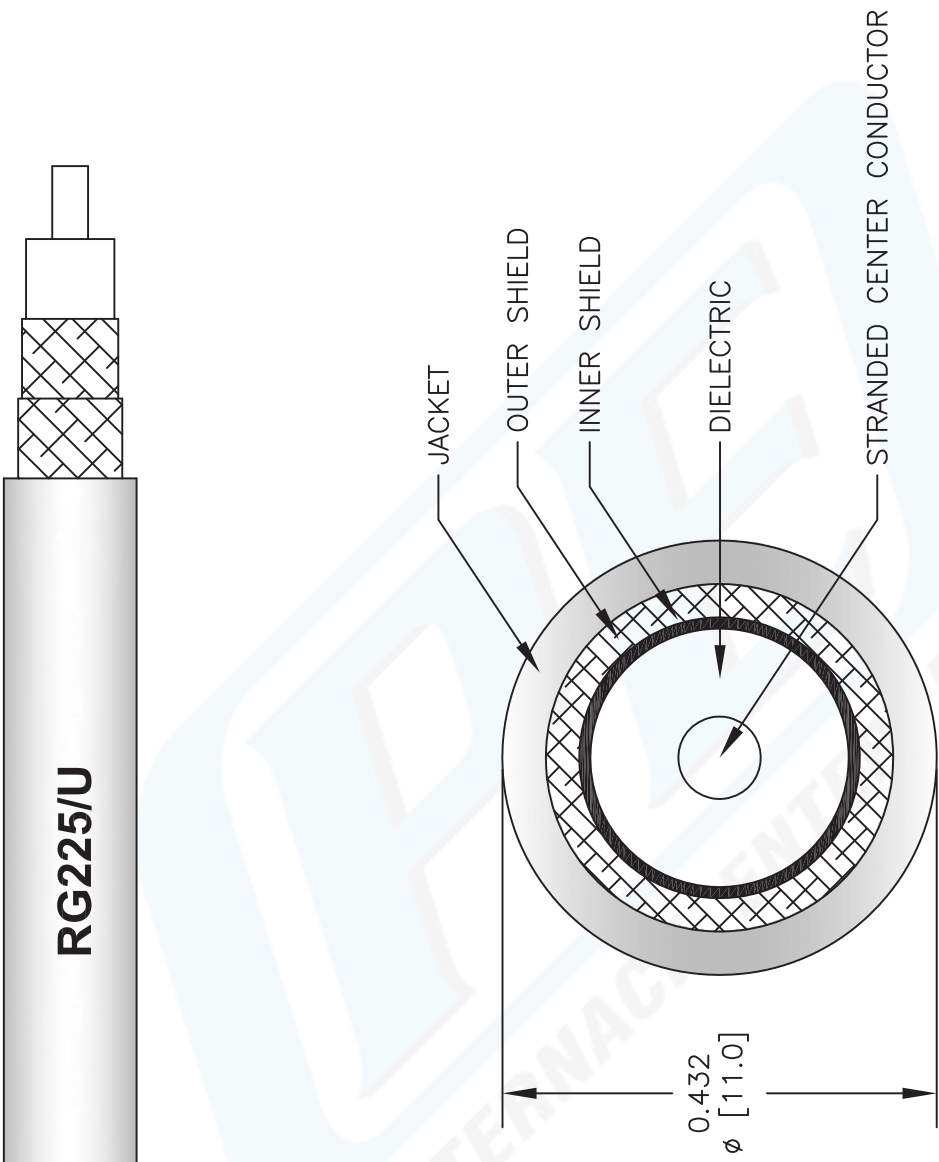
Click the following link (or enter part number in "SEARCH" on website) to obtain additional part information including price, inventory and certifications: [Flexible RG225 Coax Cable Double Shielded with Tan PTFE \(FG\) Jacket RG225/U](#)

URL: <http://www.pasternack.com/flexible-0.430-rg225-50-ohm-coax-cable-ptfe-fr-jacket-rg225-u-p.aspx>

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RG225/U CAD Drawing

Flexible RG225 Coax Cable Double Shielded with Tan PTFE (Fiberglass reinforced) Jacket



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DWG TITLE  
**RG225/U**

FSCM NO. 53919

CAD FILE 083012-B

SCALE N/A

SIZE A

2233

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