

7/16 DIN Male Right Angle Connector Clamp/Solder Attachment for RG213, RG214, RG8, RG9, RG225, RG393, RG215



RF Connectors Technical Data Sheet

PE44280

Configuration

- 7/16 DIN Male Connector
- MIL-C-39012
- 50 Ohms
- Right Angle Body Geometry

- RG213, RG214, RG8, RG9, RG225, RG393, RG215
- Interface Type
- Clamp/Solder Attachment
- 1 1/4 inch Hex

Features

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

Applications

- General Purpose Test
- Custom Cable Assemblies

Description

Pasternack's PE44280 7/16 DIN male right angle connector with clamp/solder attachment for RG213, RG214, RG8, RG9, RG225, RG393 and RG215 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 7/16 DIN male right angle connector PE44280 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

1.875 in [47.63 mm]
1.25 in [31.75 mm]
1.84 in [46.74 mm]
0.351 lbs [159.21 g]

Click the following link (or enter part number in "SEARCH" on website) to obtain additional part information including price, inventory and certifications: [7/16 DIN Male Right Angle Connector Clamp/Solder Attachment for RG213, RG214, RG8, RG9, RG225, RG393, RG215 PE44280](#)



7/16 DIN Male Right Angle Connector Clamp/Solder Attachment for RG213, RG214, RG8, RG9, RG225, RG393, RG215

RF Connectors Technical Data Sheet

PE44280

Material Specifications

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

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

Plotted and Other Data

Notes:

7/16 DIN Male Right Angle Connector Clamp/Solder Attachment for RG213, RG214, RG8, RG9, RG225, RG393, RG215 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: [7/16 DIN Male Right Angle Connector Clamp/Solder Attachment for RG213, RG214, RG8, RG9, RG225, RG393, RG215 PE44280](#)

URL: <https://www.pasternack.com/7-16-male-standard-rg213-rg214-rg8-rg9-rg225-rg393-connector-pe44280-p.aspx>

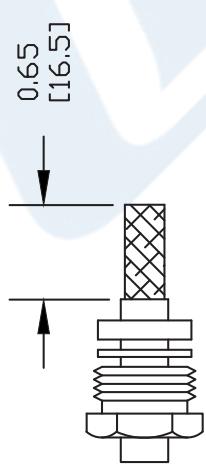
The information contained in this document is accurate to the best of our knowledge and representative of the part described herein. It may be necessary to make modifications to the part and/or the documentation of the part, in order to implement improvements. Pasternack reserves the right to make such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

PE44280 CAD Drawing

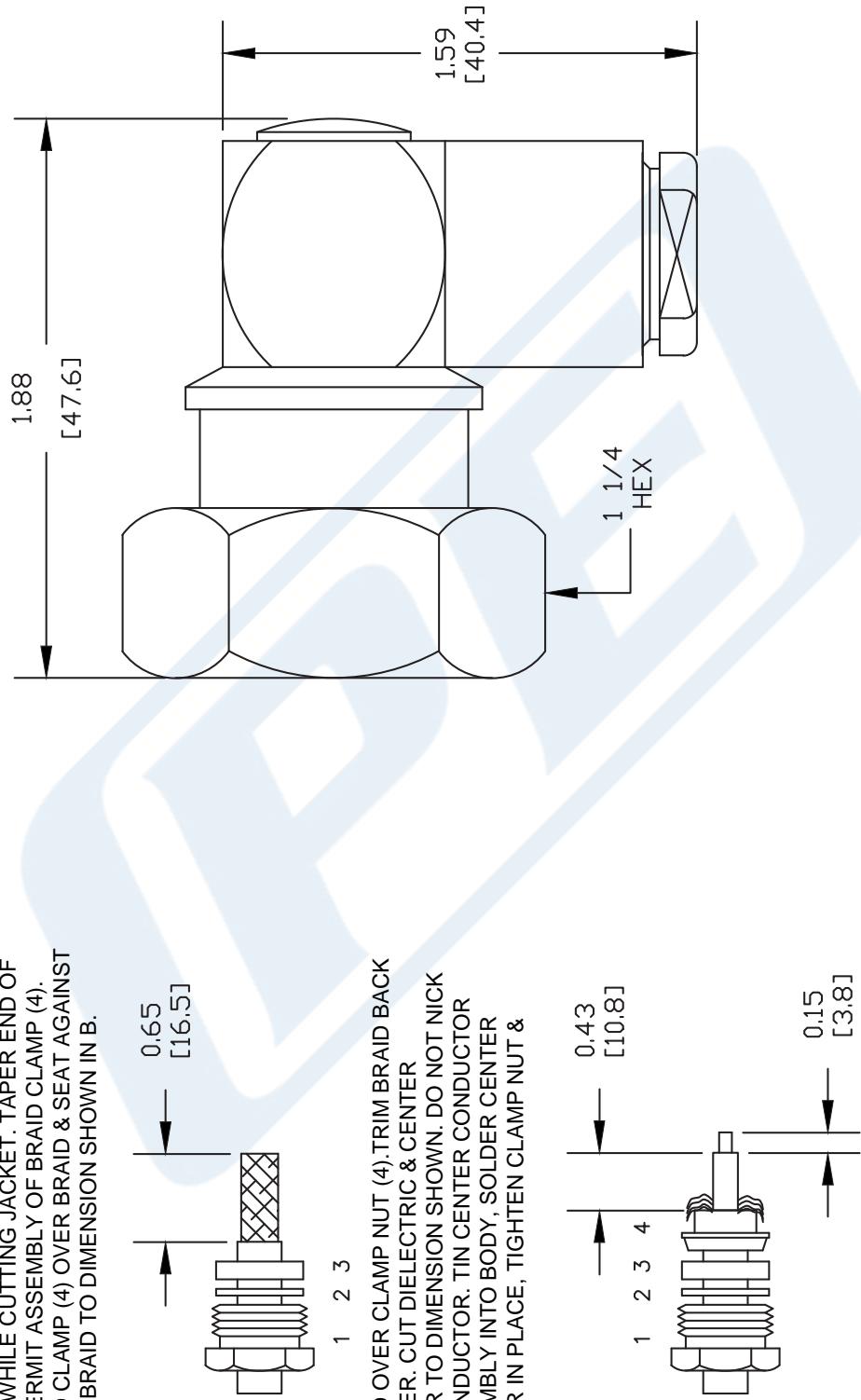
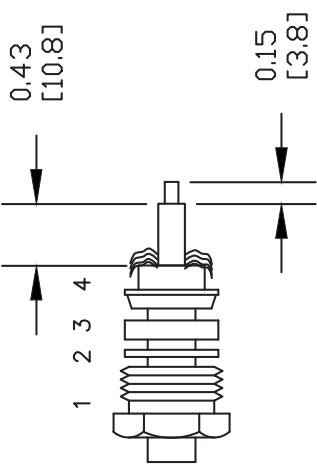
7/16 DIN Male Right Angle Connector Clamp/Solder Attachment
for RG213, RG214, RG8, RG9, RG225, RG393, RG215

ASSEMBLY PROCEDURES

1. SLIDE CLAMP NUT (1), WASHER (2) & GASKET (3) OVER CABLE. STRIP CABLE AS SHOWN IN A. 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. CUT BRAID TO DIMENSION SHOWN IN B.



2. FORM BRAID OVER CLAMP NUT (4). TRIM BRAID BACK TO SHOULDER. CUT DIELECTRIC & CENTER CONDUCTOR TO DIMENSION SHOWN. DO NOT NICK CENTER CONDUCTOR. TIN CENTER CONDUCTOR SLIDE ASSEMBLY INTO BODY, SOLDER CENTER CONDUCTOR IN PLACE, TIGHTEN CLAMP NUT & SCREW CAP



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DWG TITLE

PE44280

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.

CAD FILE 012004

SCALE N/A

SIZE A

127



N Male Connector Clamp/Solder Attachment for RG213, RG214, RG8, RG9, RG11, RG225, RG393, RG144, RG216, RG215

RF Connectors Technical Data Sheet

PE4062

Configuration

- N Male Connector
- 50 Ohms
- Straight Body Geometry
- RG213, RG214, RG8, RG9, RG11, RG225, RG393, RG144, RG216, RG215 Interface Type
- Clamp/Solder Attachment

Features

- Max. Operating Frequency 11 GHz
- Good VSWR of 1.5:1
- Gold Plated Brass Contact
- 30 μ in minimum contact plating

Applications

- General Purpose Test
- Custom Cable Assemblies

Description

Pasternack's PE4062 type N male connector with clamp/solder attachment for RG213, RG214, RG8, RG9, RG11, RG225, RG393, RG144, RG216 and RG215 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 and offers good VSWR of 1.5:1.

Our type N male connector PE4062 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
VSWR			1.5:1	
Operating Voltage (AC)			1,000	Vrms

Performance by Frequency

Description	F1	F2	F3	F4	F5	Units
Frequency Range	DC to 6	6 to 11				GHz
VSWR, Max	1.3:1	1.5:1				

Mechanical Specifications

Size

Length
Width/Dia.

1.51 in [38.35 mm]
0.8 in [20.32 mm]

Click the following link (or enter part number in "SEARCH" on website) to obtain additional part information including price, inventory and certifications: [N Male Connector Clamp/Solder Attachment for RG213, RG214, RG8, RG9, RG11, RG225, RG393, RG144, RG216, RG215 PE4062](#)



N Male Connector Clamp/Solder Attachment for RG213, RG214, RG8, RG9, RG11, RG225, RG393, RG144, RG216, RG215

RF Connectors Technical Data Sheet

PE4062

Weight 0.113 lbs [51.26 g]

Material Specifications

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

Environmental Specifications

Temperature

Operating Range

-65 to +165 deg C

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

Plotted and Other Data

Notes:

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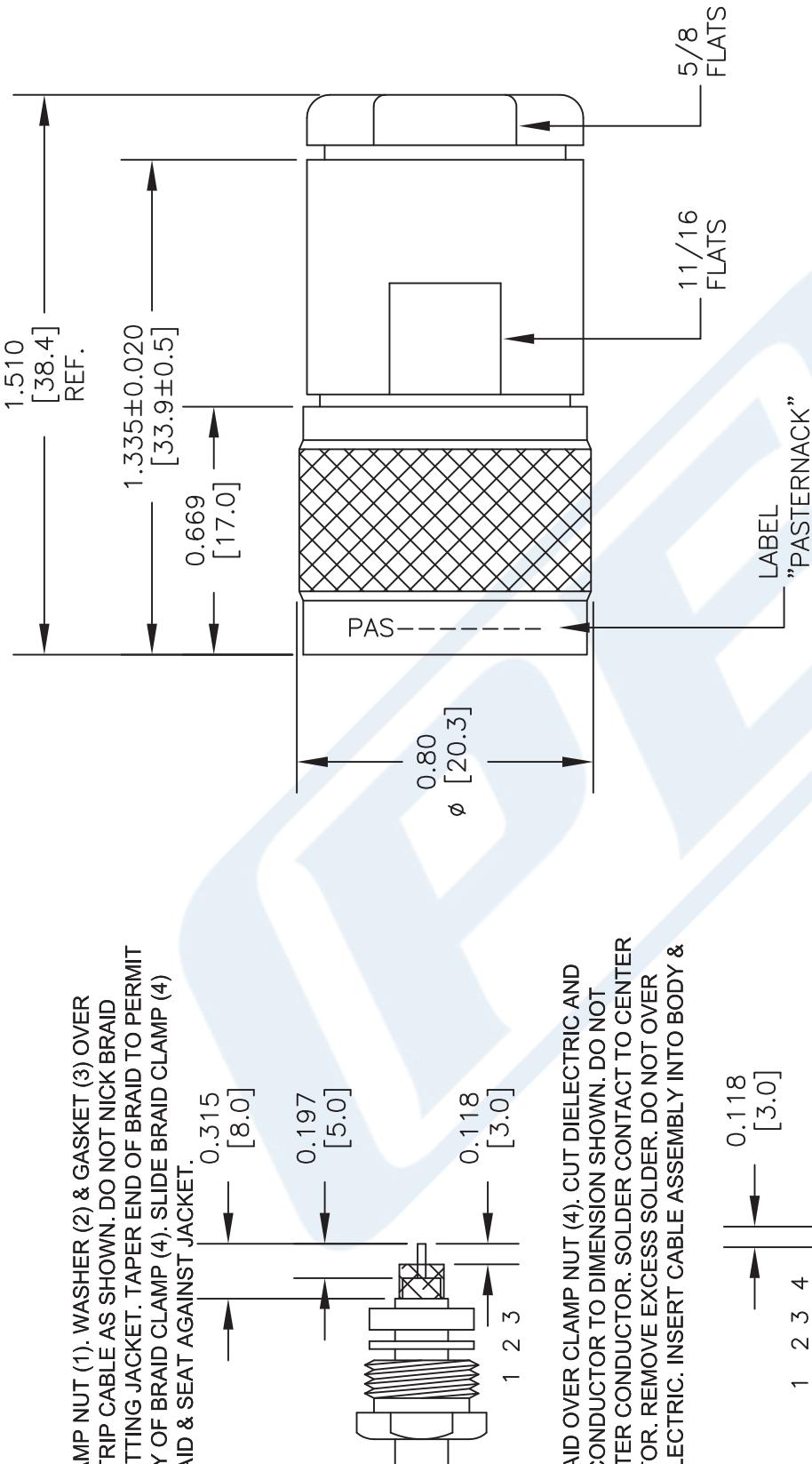
Click the following link (or enter part number in "SEARCH" on website) to obtain additional part information including price, inventory and certifications: [N Male Connector Clamp/Solder Attachment for RG213, RG214, RG8, RG9, RG11, RG225, RG393, RG144, RG216, RG215 PE4062](#)

URL: <https://www.pasternack.com/n-male-standard-rg213-rg214-rg8-rg9-rg11-rg225-rg393-connector-pe4062-p.aspx>

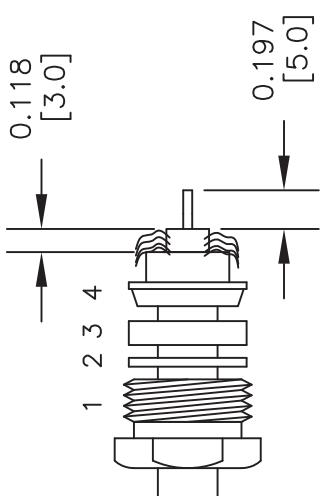
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PE4062 CAD Drawing

N Male Connector Clamp/Solder Attachment for RG213, RG214, RG8, RG9, RG11, RG225, RG393, RG144, RG216, RG215



2. FORM BRAID OVER CLAMP NUT (4). CUT DIELECTRIC AND 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.



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

*STANDARD TOLERANCES APPLY ONLY TO DIMENSIONS IN INCHES

NOTES:
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3. DIMENSIONS ARE IN INCHES [mm].

DWG TITLE	PE4062	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].
FSCM NO.	53919	CAD FILE 042716 SCALE N/A SIZE A 3045

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Flexible RG393 Coax Cable Double Shielded with Tan FEP Jacket

TECHNICAL DATA SHEET

RG393/U

- 50 Ohm Impedance
- Stranded Silver Plated Copper center conductor
- PTFE dielectric
- Double Silver Plated Copper Braid
- FEP Jacket Material 0.390 in diameter

• 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
Maximum Operating Frequency, GHz	10
RF Shielding, dB	60
Capacitance, pF/ft [pF/m]	29.4 [96.46]
Maximum Operating Voltage, Volts	5,000
Dielectric Withstanding Voltage, Vrms	7,500

Electrical Specifications by Frequency

Frequency 1

Frequency, MHz	10
Attenuation, dB/100ft [dB/100m]	0.6 [1.97]
Power Handling, KWatts	25

Frequency 2

Frequency, MHz	100
Attenuation, dB/100ft [dB/100m]	2.1 [6.89]
Power Handling, KWatts	6.3

Frequency 3

Frequency, MHz	1000
Attenuation, dB/100ft [dB/100m]	7.5 [24.61]
Power Handling, KWatts	1.7

Frequency 4

Frequency, GHz	5
Attenuation, dB/100ft [dB/100m]	21 [68.9]
Power Handling, Watts	620

Frequency 5

Frequency, GHz	10
Attenuation, dB/100ft [dB/100m]	35 [114.83]
Power Handling, Watts	350

Click the following link (or enter part number in "SEARCH" on website) to obtain additional part information including price, inventory and certifications: [Flexible RG393 Coax Cable Double Shielded with Tan FEP Jacket RG393/U](#)



Flexible RG393 Coax Cable Double Shielded with Tan FEP Jacket

TECHNICAL DATA SHEET

RG393/U

Mechanical Specifications

Temperature

Operating Range, deg C

-55 to +200

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]

0.34 [8.64]

Jacket:

Material

FEP

Diameter, in [mm]

0.39 [9.91]

Color

Tan

One Time Minimum Bend Radius, in [mm]

3.9 [99.06]

Weight, lbs/ft [Kg/m]

0.16 [0.24]

Compliance Certifications

 (visit www.Pasternack.com for current document)

RoHS Compliant

06/18/2010

REACH Compliant

Plotted and Other Data

Notes:

- Values at +25 °C, sea level

Flexible RG393 Coax Cable Double Shielded with Tan FEP 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.

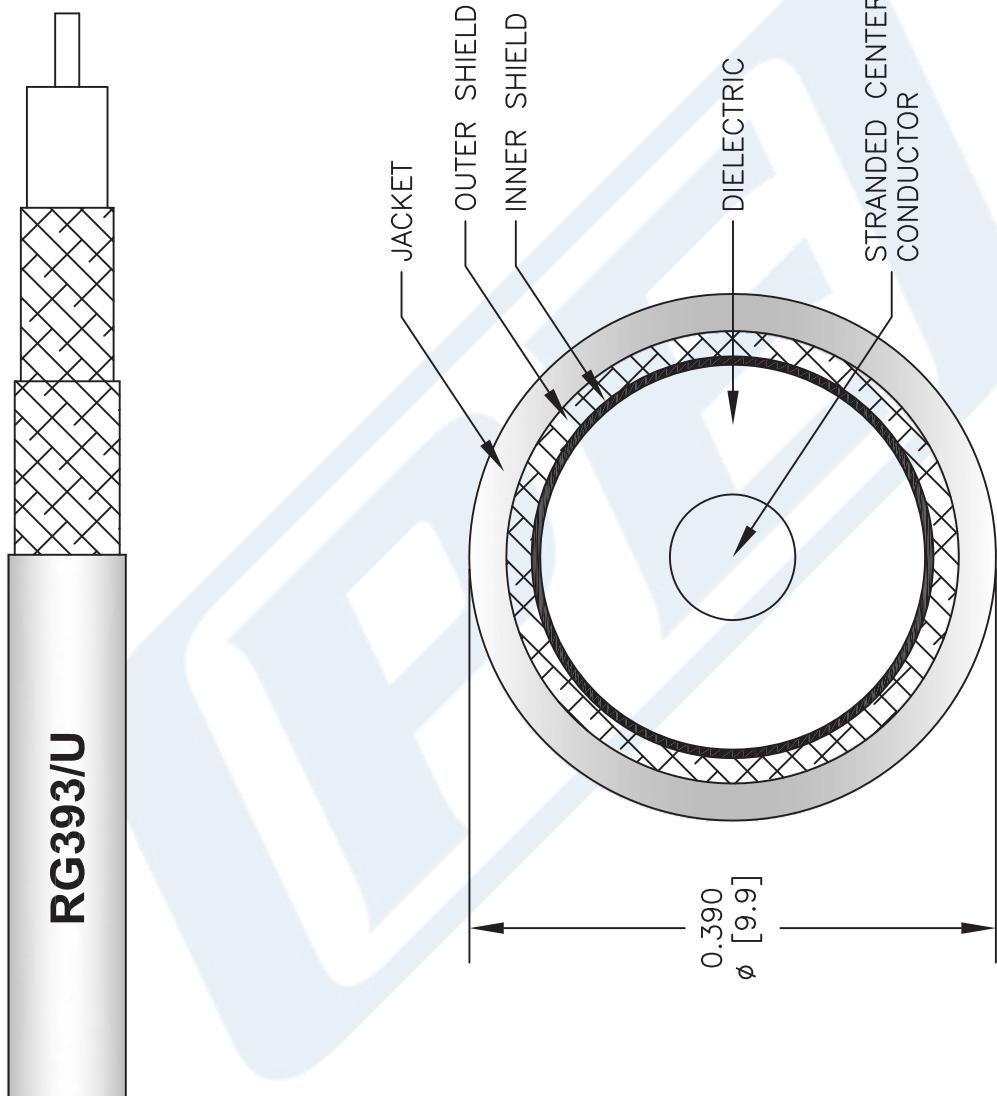
Click the following link (or enter part number in "SEARCH" on website) to obtain additional part information including price, inventory and certifications: [Flexible RG393 Coax Cable Double Shielded with Tan FEP Jacket RG393/U](#)

URL: <http://www.pasternack.com/flexible-0.390-rg393-50-ohm-coax-cable-fep-jacket-rg393-u-p.aspx>

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RG393/U CAD Drawing

Flexible RG393 Coax Cable Double Shielded with Tan FEP Jacket



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2. ALL SPECIFICATIONS ARE SUBJECT TO CHANGE WITHOUT NOTICE AT ANY TIME.
3. DIMENSIONS ARE IN INCHES [mm].

PASTERNACK®	DWG TITLE	RG393/U		
FSCM NO.	CAD FILE	110712-C	SCALE	SIZE A
				2233

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