



7/16 DIN Male Connector Crimp/Solder Attachment for RG214, RG9, RG225, RG393

RF Connectors Technical Data Sheet

PE4571

Configuration

- 7/16 DIN Male Connector
- IEC 169-4
- 50 Ohms
- Straight Body Geometry
- Connector Interface Types: RG214, RG9, RG225, RG393
- 32 mm Hex

Features

- Max. Operating Frequency 7.5 GHz
- Good VSWR of 1.3:1
- Gold Plated Brass Contact
- 30 μ in minimum contact plating

Applications

- General Purpose Test
- Custom Cable Assemblies

Description

Pasternack's PE4571 7/16 DIN male 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 7/16 DIN male connector operates up to a maximum frequency of 7.5 GHz and offers good VSWR of 1.3:1.

Our 7/16 DIN male connector PE4571 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		7.5	GHz
VSWR			1.3:1	
Operating Voltage (AC)			2,700	Vrms

Mechanical Specifications

Size	
Length	1.976 in [50.19 mm]
Width/Dia.	1.25 in [31.75 mm]
Weight	0.224 lbs [101.6 g]
Mating Torque	221 to 265 in-lbs [24.97 to 29.95 Nm]

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 Connector Crimp/Solder Attachment for RG214, RG9, RG225, RG393 PE4571](#)

7/16 DIN Male Connector Crimp/Solder Attachment
for RG214, RG9, RG225, RG393



RF Connectors
Technical Data Sheet

PE4571

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

-55 to +155 deg C

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

Plotted and Other Data

Notes:

7/16 DIN Male 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.

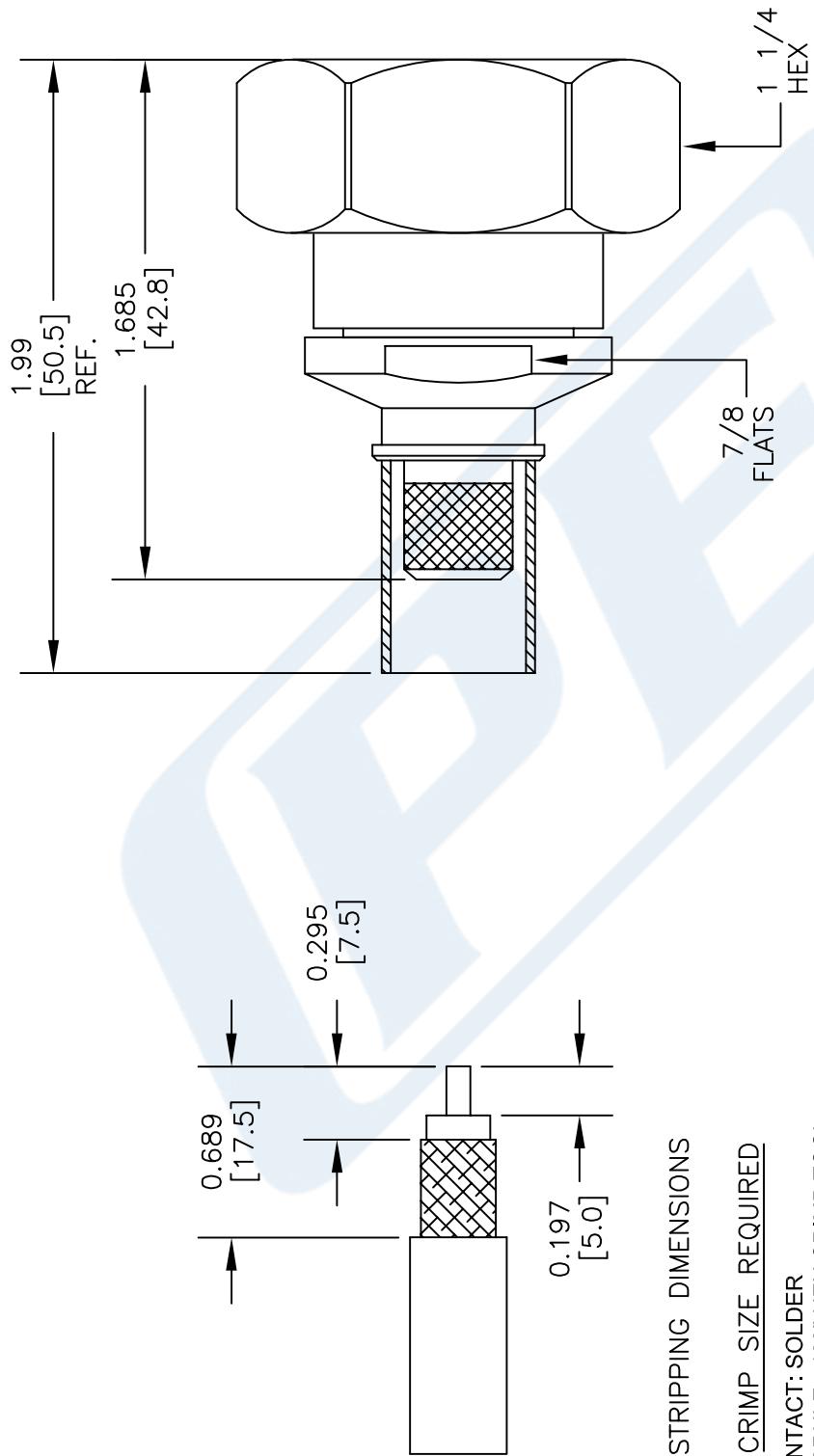
Click the following link (or enter part number in "SEARCH" on website) to obtain additional part information including price, inventory and certifications: [7/16 DIN Male Connector Crimp/Solder Attachment for RG214, RG9, RG225, RG393 PE4571](#)

URL: <https://www.pasternack.com/7-16-male-rg214-rg9-rg225-rg393-connector-pe4571-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.

PE4571 CAD Drawing

7/16 DIN Male Connector Crimp/Solder Attachment for RG214, RG9, RG225, RG393



PASTERNAK® THE ENGINEER'S RF SOURCE	DWG TITLE	PE4571	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].
Pasternak Enterprises, Inc. P.O. Box 16759 Irvine CA 92623 Phone: (949) 261-1920 Fax: (949) 261-7451 Website: www.pasternack.com E-Mail: sales@pasternack.com	FSCM NO.	53919	CAD FILE
		101414	SCALE N/A
			SIZE A
			150


**SMA Female Connector Clamp/Solder Attachment For
RG213, RG214, RG8, RG9, RG11, RG225, RG393**
TECHNICAL DATA SHEET
PE4411
SMA Female Connector Clamp/Solder Attachment For RG213, RG214, RG8, RG9, RG11, RG225, RG393
Configuration

Connector	SMA Female
Connector Specification	MIL-C-39012
Connector Interface Type	RG213, RG214, RG8, RG9, RG11, RG225, RG393
Cable Attachment Method (Shield/Contact)	Clamp/Solder
Body Style	Straight

Electrical Specifications

Impedance, Ohms	50
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Mechanical Specifications

Temperature	
Operating Range, deg C	-65 to +165
Size	
Length, in [mm]	1.5 [38.1]
Width/Dia., in [mm]	0.75 [19.05]
Weight, lbs [g]	0.082 [37.19]

Connector

Type	SMA Female
Contact Material and Plating	Gold
Contact Plating Specification	MIL-G-45204
Body Material and Plating	Brass, Nickel
Dielectric Type	Teflon

Compliance Certifications (visit www.Pasternack.com for current document)

RoHS Compliant	Yes
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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: [SMA Female Connector Clamp/Solder Attachment For RG213, RG214, RG8, RG9, RG11, RG225, RG393 PE4411](#)

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SMA Female Connector Clamp/Solder Attachment For RG213, RG214, RG8, RG9, RG11, RG225, RG393

TECHNICAL DATA SHEET

PE4411

Plotted and Other Data

Notes:

Values at 25 °C, sea level

SMA Female Connector Clamp/Solder Attachment For RG213, RG214, RG8, RG9, RG11, RG225, RG393 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: [SMA Female Connector Clamp/Solder Attachment For RG213, RG214, RG8, RG9, RG11, RG225, RG393 PE4411](#)

URL: <http://www.pasternack.com/sma-female-standard-rg213-rg214-rg8-rg9-rg11-rg225-rg393-connector-pe4411-p.aspx>

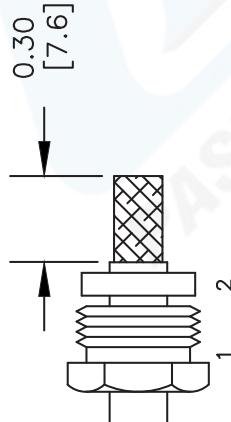
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PE4411 CAD Drawing

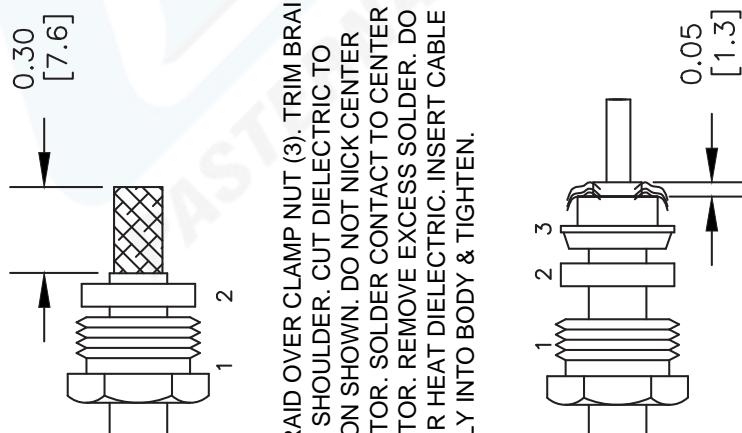
SMA Female Connector Clamp/Solder Attachment For RG213,
RG214, RG8, RG9, RG11, RG225, RG393

ASSEMBLY PROCEDURES

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



2. FORM BRAID OVER CLAMP NUT (3). TRIM BRAID BACK TO SHOULDER. CUT DIELECTRIC 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.



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DWG TITLE

PE4411

NOTES:

1. UNLESS OTHERWISE SPECIFIED ALL DIMENSIONS ARE NOMINAL.

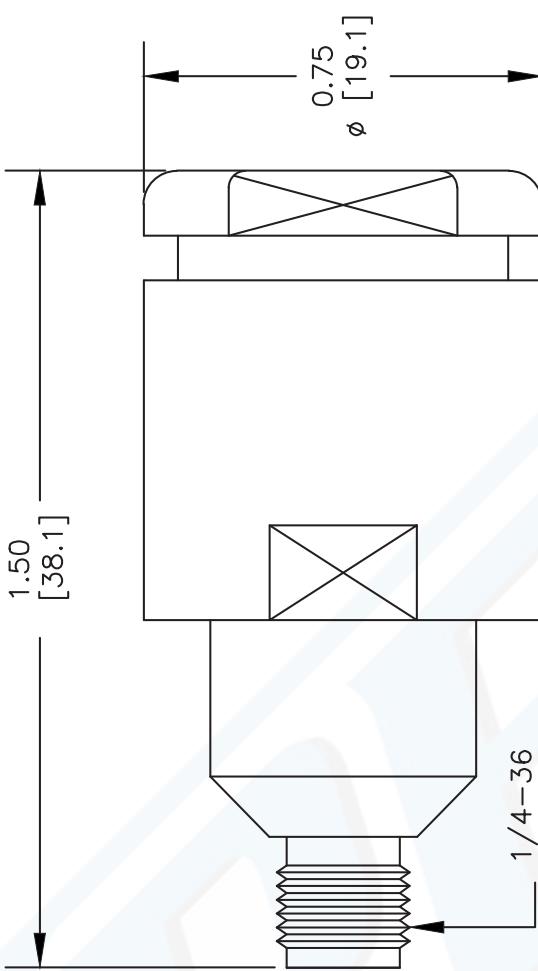
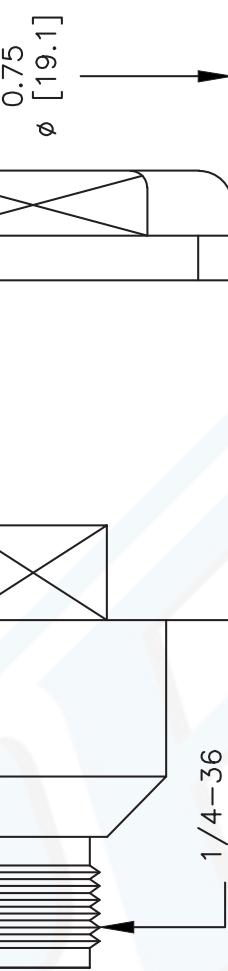
2. ALL SPECIFICATIONS ARE SUBJECT TO CHANGE WITHOUT NOTICE AT ANY TIME.

3. DIMENSIONS ARE IN INCHES [MM].

4. FITS MIL-C-17 AND EQUIVALENT CABLES.

1.50 [38.1]

1/4-36
UNS-2A



0.75 [19.1]

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SIZE A

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Flexible RG225 Coax Cable Double Shielded with Brown PTFE (FG) Jacket

RF Cables Technical Data Sheet

RG225/U

Configuration

- Flexible Cable
- 2 Shield(s)

Electrical Specifications

Description	Minimum	Typical	Maximum	Units
Frequency Range	DC		10	GHz
Impedance		50		Ohms
Velocity of Propagation		70		%
Operating Voltage (AC)			3,700	Vrms
Nominal Capacitance		29.4 [96.46]		pF/ft [pF/m]

Performance by Frequency Band

Description	F1	F2	F3	F4	F5	Units
Frequency	0.01	0.1	1	5	10	GHz
Attenuation, Typ	0.6	2.1	7.5	21	35	dB/100ft
	1.97	6.89	24.61	68.9	114.83	dB/100m
Input Power (CW), Max	25,000	6,300	1,700	620	350	Watts

Mechanical Specifications

Diameter	0.43 in [10.92 mm]
Weight	0.1725 lbs/ft [0.26 kg/m]

Construction Specifications

Description	Material and Plating	Diameter
Inner Conductor	Copper, Silver, 7 Strands	0.094 in [2.39 mm]
Conductor Type	Stranded	
Dielectric	PTFE	0.285 in [7.24 mm]
First Shield	Silver Plated Copper Braid 90% coverage	[]

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 Brown PTFE \(FG\) Jacket RG225/U](#)



Flexible RG225 Coax Cable Double Shielded with Brown PTFE (FG) Jacket

RF Cables Technical Data Sheet

RG225/U

Second Shield	Silver Plated Copper Braid 90% coverage	0.341 in [8.66 mm]
Jacket	PTFE (FG), Brown	0.43 in [10.92 mm]

Environmental Specifications

Temperature

Operating Range

-55 to +200 deg C

Compliance Certifications (see [product page](#) for current document)**Plotted and Other Data**

Notes:

Flexible RG225 Coax Cable Double Shielded with Brown PTFE (FG) Jacket 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.

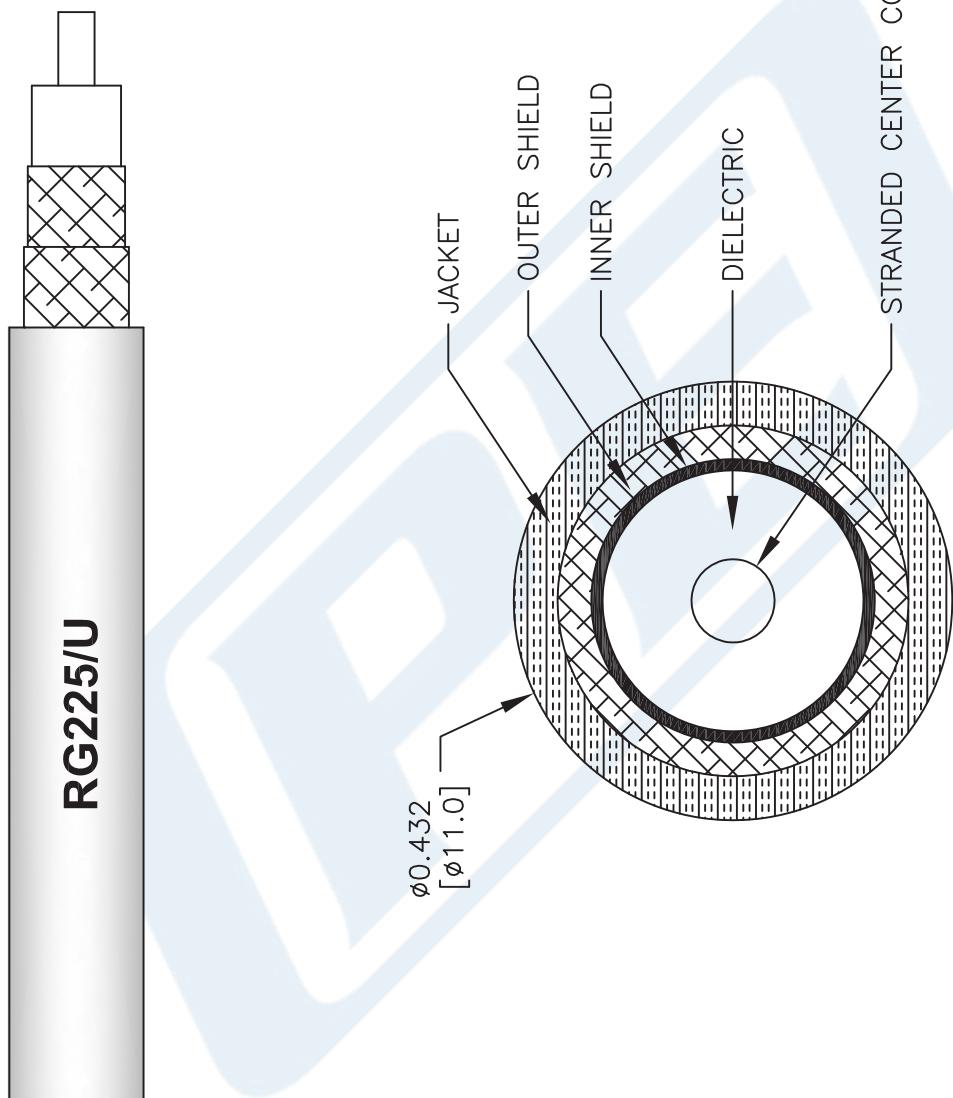
Click the following link (or enter part number in "SEARCH" on website) to obtain additional part information including price, inventory and certifications: [Flexible RG225 Coax Cable Double Shielded with Brown PTFE \(FG\) Jacket RG225/U](#)

URL: <https://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 Brown PTFE (FG) Jacket



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3. DIMENSIONS ARE IN INCHES [mm].

PASTERNAK® THE ENGINEER'S RF SOURCE	DWG TITLE RG225/U	FSCM NO. 53919	CAD FILE 111716	SCALE N/A	SIZE A	41742
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