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75 Ohm 1.6/5.6 Plug Right Angle Connector Clamp/ Solder Attachment For RG179, RG187

RF Connectors
Technical Data Sheet

PE44264

Configuration

- 1.6/5.6 Plug Connector
- 75 Ohms
- Right Angle Body Geometry
- Connector Interface Types: RG179, RG187

Features

- Gold Plated Brass Contact
- 3µ in. minimum contact plating

Applications

- General Purpose Test
- Custom Cable Assemblies

Description

Pasternack's PE44264 Right Angle, 1.6/5.6, Standard, Connector 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 75 ohm 1.6/5.6 plug right angle connector PE44264 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.

Impedance	75	Ohms

Mechanical Specifications

Size

Length	0.94 in [23.75 mm]
Width	0.43 in [10.80 mm]
Height	1.05 in [26.72 mm]
Weight	0.05 lbs [20.41 g]

Material Specifications

Description	Material	Plating
Contact	Brass	Gold 3µ in. minimum
Insulation	Teflon/POM	
Body	Brass	Nickel 100µ in. minimum
Coupling Nut	Brass	Nickel 100µ in. minimum

Click the following link (or enter part number in "SEARCH" on website) to obtain additional part information including price, inventory and certifications: 75 Ohm 1.6/5.6 Plug Right Angle Connector Clamp/Solder Attachment For RG179, RG187 PE44264

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RF Connectors
Technical Data Sheet

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Environmental Specifications

Compliance Certifications (see product page for current document)

Plotted and Other Data

Notes:

75 Ohm 1.6/5.6 Plug Right Angle Connector Clamp/Solder Attachment For RG179, RG187 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/1.6-5.6-plug-standard-rg179-rg187-connector-pe44264-p.aspx

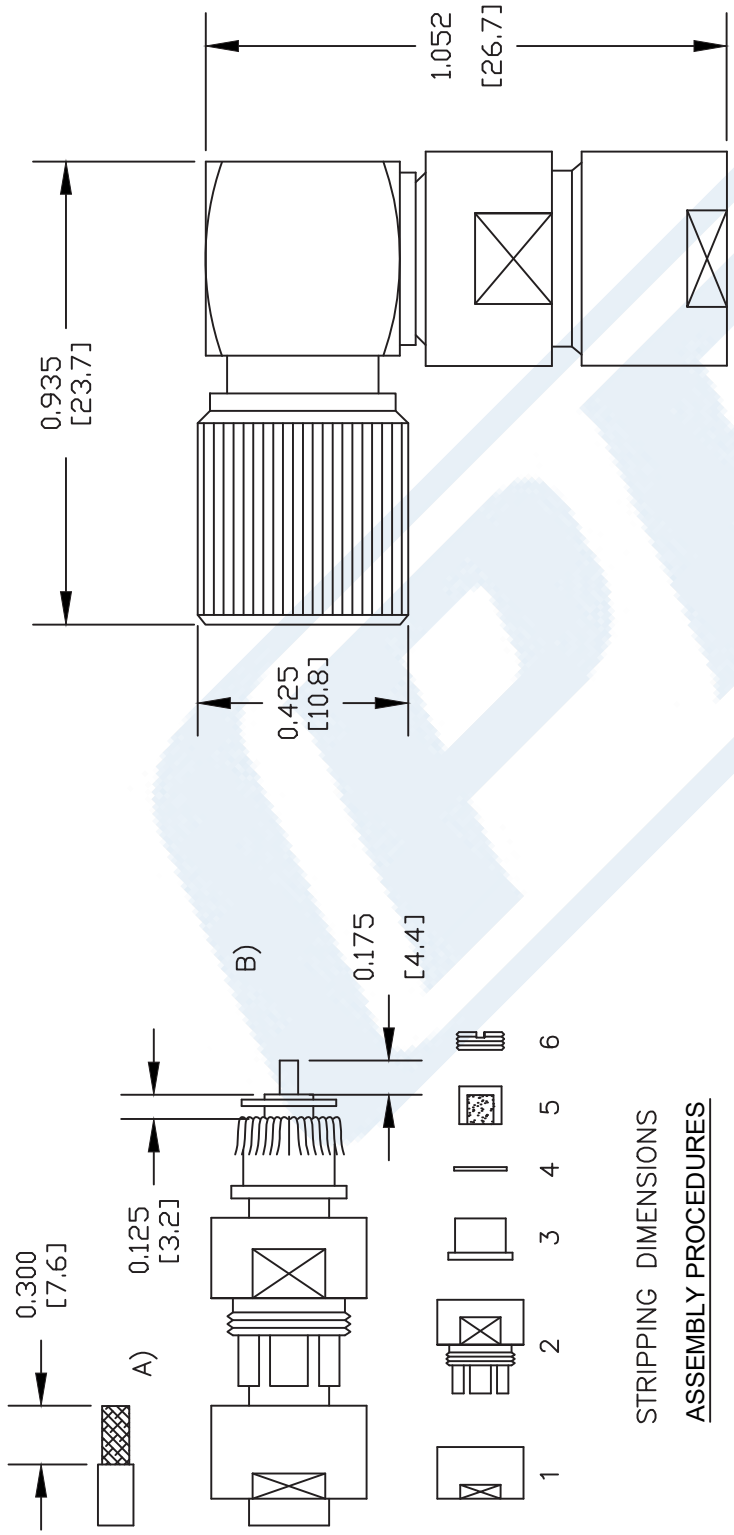
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PE44264 CAD Drawing

75 Ohm 1.6/5.6 Plug Right Angle Connector Clamp/Solder Attachment For RG179, RG187



STRIPPING DIMENSIONS

ASSEMBLY PROCEDURES

1. STRIP CABLE AS SHOWN IN A). SLIDE CLAMP NUT (1), (2) AND BRAID CLAMP (3) ON CABLE.
2. FOLD BRAID OVER BRAID CLAMP (3). SLIDE WASHER (4) ON DIELECTRIC, STRIP DIELECTRIC TO DIMENSIONS SHOWN IN B) ASSEMBLE INTO BODY AND TIGHTEN ALL NUTS.
3. SOFT SOLDER CENTER CONDUCTOR IN PLACE. INSERT INSULATOR (5) INTO BODY THEN SCREW CAP (6).

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.

DWG TITLE	CAD FILE	SCALE	SIZE	XXXX
PE44264	070202	N/A	A	

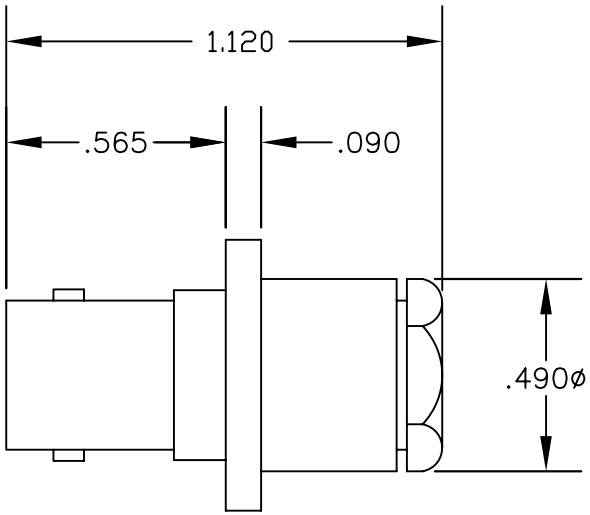
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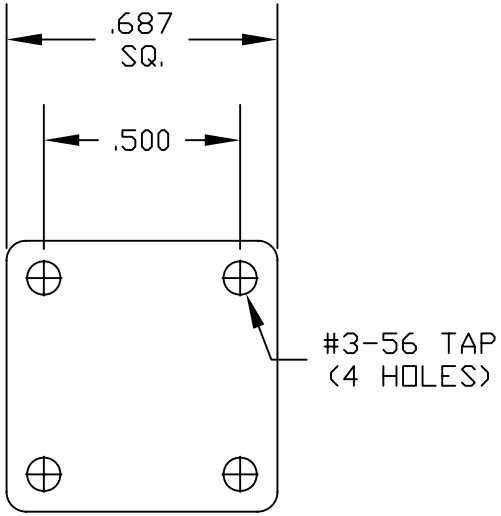
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MATERIALS	
BODY	BRASS NICKEL PLATED
CONTACT	GOLD PLATED
INSULATOR	PTFE

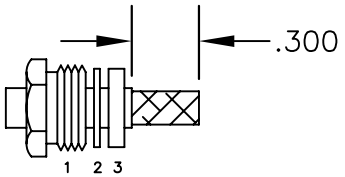




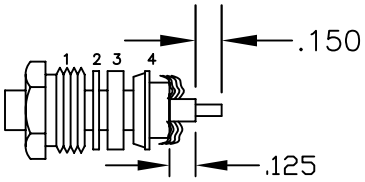
MOUNTING HOLES

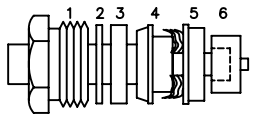
ASSEMBLY PROCEDURES

1. SLIDE CLAMP NUT (1), 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 BRAID CLAMP (4). SLIDE BRAID CLAMP (4) OVER BRAID & SEAT AGAINST JACKET.



2. FORM BRAID OVER CLAMP NUT (4). TRIM BRAID BACK TO SHOULDER. CUT DIELECTRIC & CENTER CONDUCTOR TO DIMENSION SHOWN. DO NOT NICK CENTER CONDUCTOR. SLIDE SPACER (5) OVER DIELECTRIC. INSERT PTFE (6) OVER DIELECTRIC WITH CENTER CONDUCTOR PROTRUDING THROUGH HOLE. 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
PE44652

DES. "75 OHM BNC" FEMALE, PANEL MOUNT, CLAMP ATTACHMENT FOR RG179 RG187

REV. -	FSCM NO. 53919	CAD FILE 050609	SCALE N/A	SIZE A	127

NOTES:
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2. ALL SPECIFICATIONS ARE SUBJECT TO CHANGE WITHOUT NOTICE AT ANY TIME.
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PASTERNACK
THE ENGINEER'S RF SOURCE

75 Ohm Flexible RG187 Coax Cable Single Shielded with White PTFE Jacket

RF Cables
Technical Data Sheet

RG187A/U

Configuration

- Flexible Cable
- 1 Shield(s)

Electrical Specifications

Description	Minimum	Typical	Maximum	Units
Frequency Range	DC		3	GHz
Impedance		75 ±7		Ohms
Velocity of Propagation		70		%
Operating Voltage (AC)			2,000	Vrms
Dielectric Withstanding Voltage (AC)			2,000	Vrms
Inner Conductor DC Resistance			245	Ohms/1000ft
Nominal Capacitance		19.5 [63.98]		pF/ft [pF/m]

Performance by Frequency Band

Description	F1	F2	F3	F4	F5	Units
Frequency	400					MHz
Attenuation, Typ	21 68.9					dB/100ft dB/100m
Input Power (CW), Max	1.4					kWatts

Mechanical Specifications

Diameter	0.102 in [2.59 mm]
Weight	0.02 lbs/ft [0.03 Kg/m]

Construction Specifications

Description	Material and Plating	Diameter
Inner Conductor	Copper Clad Steel, Silver, 7 Strands	0.012 in [0.3 mm]
Conductor Type	Stranded	
Dielectric	PTFE	0.063 in [1.6 mm]

Click the following link (or enter part number in "SEARCH" on website) to obtain additional part information including price, inventory and certifications: 75 Ohm Flexible RG187 Coax Cable Single Shielded with White PTFE Jacket RG187A/U

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75 Ohm Flexible RG187 Coax Cable Single Shielded with White PTFE Jacket

First Shield	Silver Plated Copper Braid	0.081 in [2.06 mm]
Jacket	PTFE, White	0.102 in [2.59 mm]

Environmental Specifications

Compliance Certifications (see product page for current document)

Plotted and Other Data

Notes:

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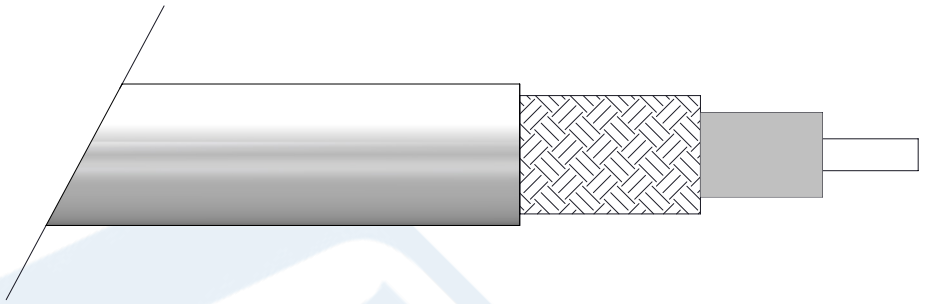
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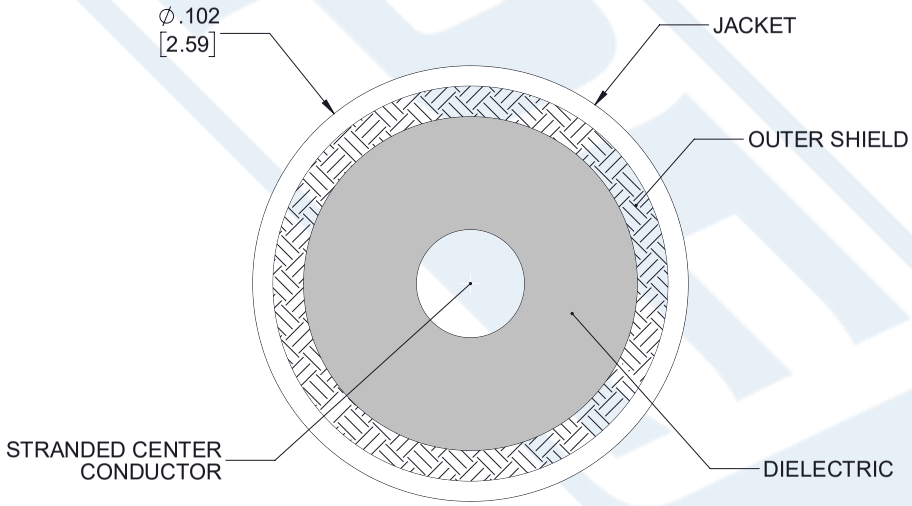
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RG187A/U CAD Drawing

75 Ohm Flexible RG187 Coax Cable Single Shielded with White PTFE Jacket





SECTION VIEW

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

RG187A/U

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CAGE CODE 53919	CAD FILE 05/11/18	SCALE N/A	SIZE A	7361