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

TECHNICAL DATA SHEET PE44264

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

Configuration

Connector	1.6/5.6 Plug
Connector Interface Type	RG179,RG187
Cable Attachment Method (Shield/Contact)	Clamp/Solder
Body Style	Right Angle

Electrical Specifications

Impedance, Ohms	75

Mechanical Specifications

Size

Length, in [mm]	0.935 [23.75]
Width/Dia., in [mm]	0.425 [10.80]
Height, in [mm]	1.052 [26.72]
Weight, lbs [g]	0.041 [18.6]

Connector

Type	1.6/5.6 Plug
Contact Material and Plating	Brass, Gold
Contact Plating Specification	3µ in. minimum
Coupling Nut Material and Plating	Brass, Nickel
Coupling Nut Plating Specification	100µ in. minimum
Body Material and Plating	Brass, Nickel
Body Plating Specification	100µ in. minimum
Dielectric Type	Teflon/POM

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

RoHS Compliant	Yes

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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Phone: (866) 727-8376 or (949) 261-1920 • **Fax:** (949) 261-7451
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75 Ohm 1.6/5.6 Plug Right Angle Connector Clamp/ Solder Attachment For RG179, RG187

TECHNICAL DATA SHEET PE44264

Plotted and Other Data

Notes: Values at 25 °C, sea level

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 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: 75 Ohm 1.6/5.6 Plug Right Angle Connector Clamp/Solder Attachment For RG179, RG187 PE44264

URL: http://www.pasternack.com/1.6-5.6-plug-standard-rg179-rg187-connector-pe44264-p.aspx

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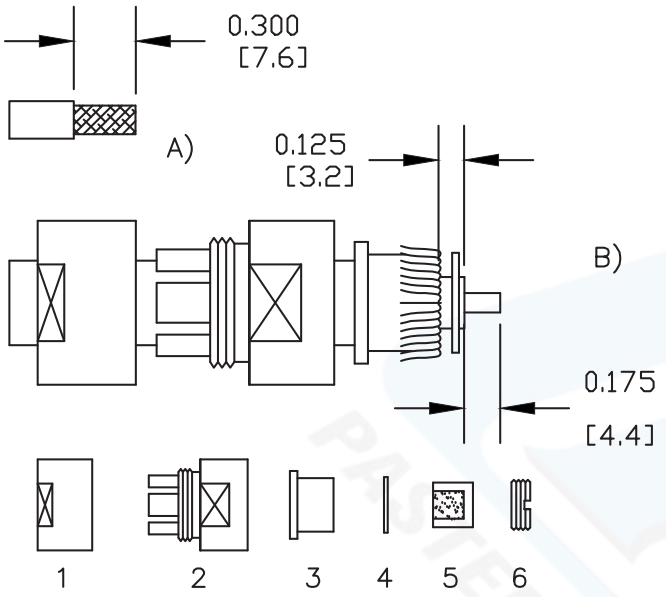
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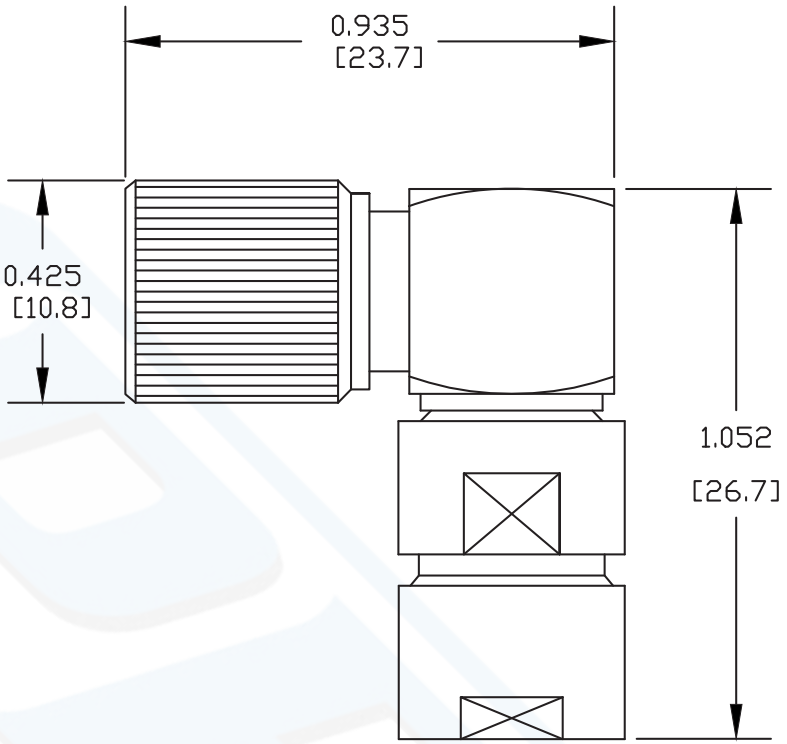
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PE44264 CAD Drawing

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).

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DWG TITLE

PE44264

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.

FSCM NO. 53919	CAD FILE 070202	SCALE N/A	SIZE A	XXXX

PASTERNACK®
THE ENGINEER'S RF SOURCE



75 Ohm SMB Jack Connector Crimp/Solder Attachment for RG179, RG187

RF Connectors Technical Data Sheet PE44872

Configuration

- SMB Jack Connector
- MIL-STD-348
- 75 Ohms
- Straight Body Geometry
- RG179, RG187 Interface Type
- Crimp/Solder Attachment

Features

- Max. Operating Frequency 2 GHz
- Gold Plated Brass Contact
- Contact plating according to MIL-G-45204

Applications

- General Purpose Test
- Custom Cable Assemblies

Description

Pasternack's PE44872 75 ohm SMB jack connector with crimp/solder attachment for RG179 and RG187 is part of our full line of RF components available for same-day shipping. Our SMB jack connector operates up to a maximum frequency of 2 GHz.

Our 75 ohm SMB jack connector PE44872 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		2	GHz
Operating Voltage (AC)			250	Vrms
Dielectric Withstanding Voltage (AC)			750	Vrms
Insulation Resistance	1,000			MOhms

Mechanical Specifications

Size

Length	0.95 in [24.13 mm]
Width/Dia.	0.36 in [9.14 mm]
Weight	0.009 lbs [4.08 g]

Click the following link (or enter part number in "SEARCH" on website) to obtain additional part information including price, inventory and certifications: 75 Ohm SMB Jack Connector Crimp/Solder Attachment for RG179, RG187 PE44872

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PASTERNACK®
THE ENGINEER'S RF SOURCE



75 Ohm SMB Jack Connector Crimp/Solder Attachment for RG179, RG187

RF Connectors Technical Data Sheet PE44872

Material Specifications

Description	Material	Plating
Contact	Brass	Gold MIL-G-45204
Insulation	PTFE	
Body	Brass	Nickel QQ-N-290

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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URL: https://www.pasternack.com/smb-jack-standard-rg179-rg187-connector-pe44872-p.aspx

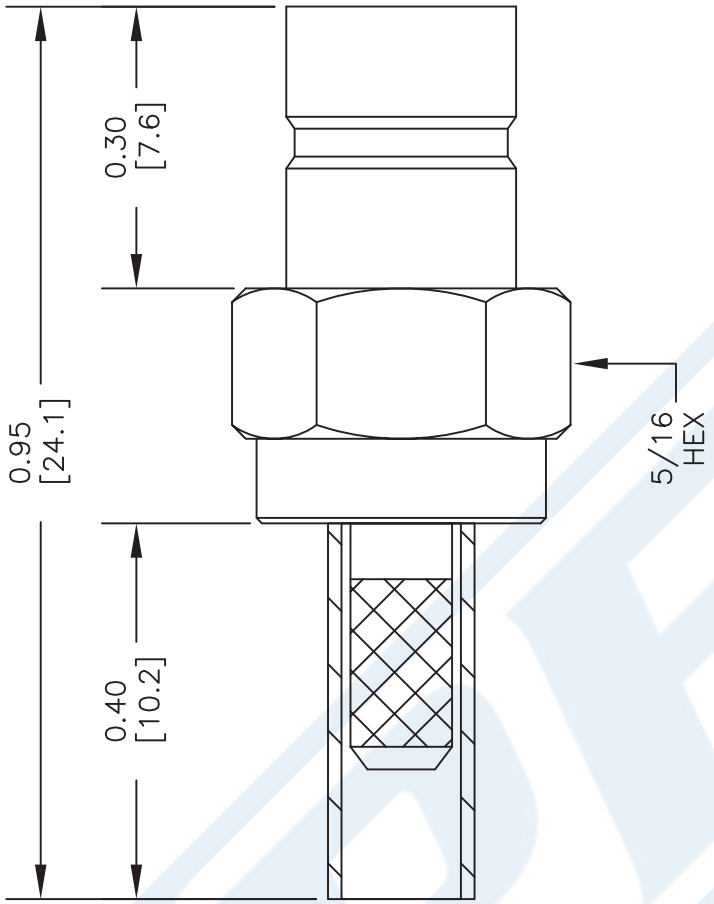
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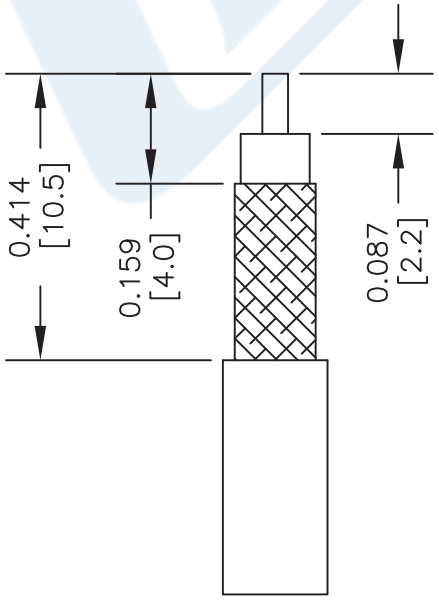
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PE44872 CAD Drawing

75 Ohm SMB Jack Connector Crimp/Solder Attachment for RG179, RG187





STRIPPING DIMENSIONS

CRIMP SIZE REQUIRED

CONTACT: SOLDER
FERRULE: .128" HEX CRIMP TOOL

NOTES:
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3. DIMENSIONS ARE IN INCHES [mm].
4. FITS MIL-C-17 AND EQUIVALENT CABLES.

DWG TITLE	CAD FILE	SCALE	SIZE
PE44872	102513	N/A	A

FSCM NO. 53919

2233

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PASTERNACK
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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:

75 Ohm Flexible RG187 Coax Cable Single Shielded with White PTFE 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: 75 Ohm Flexible RG187 Coax Cable Single Shielded with White PTFE Jacket RG187A/U

URL: https://www.pasternack.com/flexible-0.110-rg187-75-ohm-coax-cable-ptfe-jacket-rg187a-u-p.aspx

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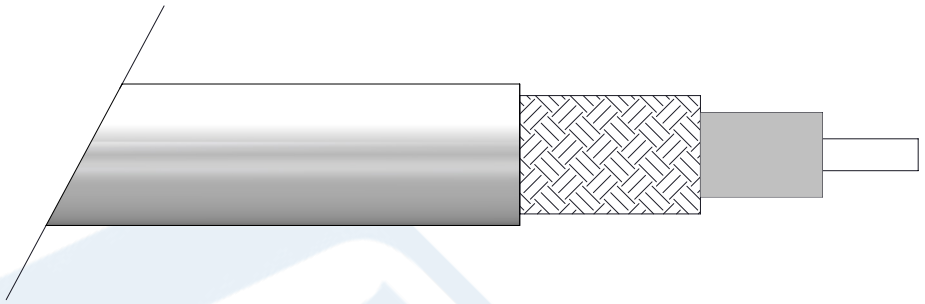
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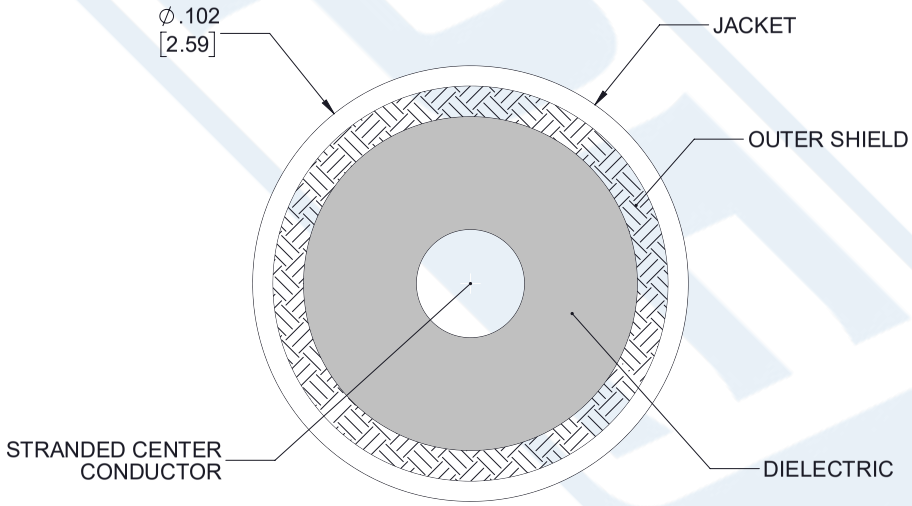
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RG187A/U CAD Drawing

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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