



## SMA Male Right Angle Connector Clamp/Solder Attachment For RG188-DS, RG316-DS

### TECHNICAL DATA SHEET

PE4407

#### SMA Male Right Angle Connector Clamp/Solder Attachment For RG188-DS, RG316-DS

##### Configuration

Connector	SMA Male
Connector Specification	MIL-C-39012
Connector Interface Type	RG188-DS, RG316-DS
Cable Attachment Method (Shield/Contact)	Clamp/Solder
Body Style	Right Angle

##### Electrical Specifications

Impedance, Ohms	50
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##### Mechanical Specifications

###### Temperature

Operating Range, deg C	-65 to +165
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###### Size

Length, in [mm]	0.715 [18.16]
Width/Dia., in [mm]	0.312 [7.92]
Height, in [mm]	0.615 [15.62]
Weight, lbs [g]	0.013 [5.9]

##### Connector

Type	SMA Male
Contact Material and Plating	Gold
Contact Plating Specification	MIL-G-45204
Coupling Nut Material and Plating	Brass, Nickel
Hex Size, in.	5/16
Torque, in-lbs [Nm]	5 [0.57]
Body Material and Plating	Brass, Nickel
Dielectric Type	Teflon

Click the following link (or enter part number in "SEARCH" on website) to obtain additional part information including price, inventory and certifications: [SMA Male Right Angle Connector Clamp/Solder Attachment For RG188-DS, RG316-DS PE4407](#)

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.



SMA Male Right Angle Connector Clamp/Solder  
Attachment For RG188-DS, RG316-DS

TECHNICAL DATA SHEET

PE4407

**Compliance Certifications** (visit [www.Pasternack.com](http://www.Pasternack.com) for current document)

**Plotted and Other Data**

Notes:

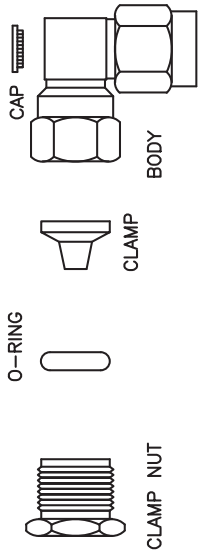
Values at 25 °C, sea level

SMA Male Right Angle Connector Clamp/Solder Attachment For RG188-DS, RG316-DS 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 Male Right Angle Connector Clamp/Solder Attachment For RG188-DS, RG316-DS PE4407](http://www.pasternack.com/sma-male-standard-rg188-ds-rg316-ds-connector-pe4407-p.aspx)

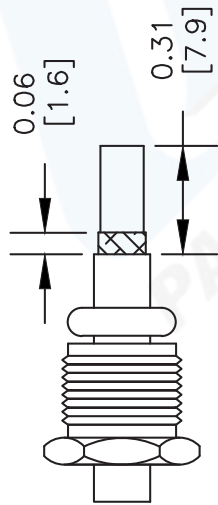
URL: <http://www.pasternack.com/sma-male-standard-rg188-ds-rg316-ds-connector-pe4407-p.aspx>

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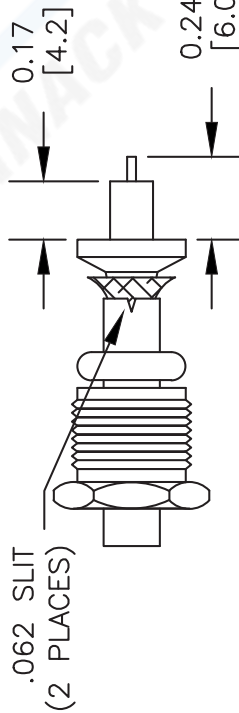


### ASSEMBLY PROCEDURES

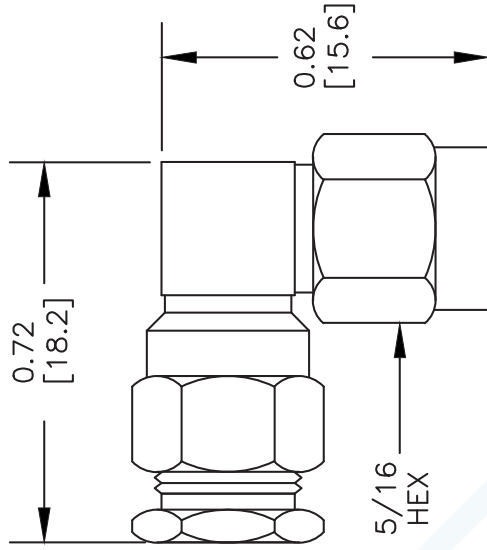
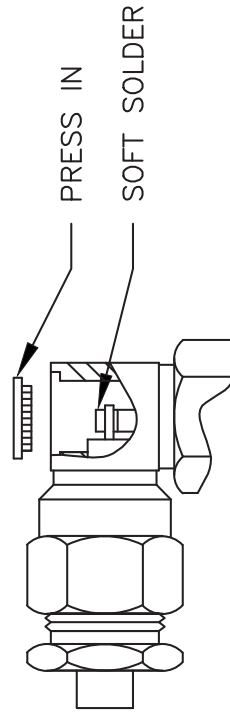
1. SLIDE CLAMP NUT AND O-RING ONTO CABLE. STRIP CABLE TO DIMENSIONS SHOWN. DO NOT NICK BRAID.



2. FLARE BRAID, SLIDE CLAMP OVER AND UNDER BRAID UNTIL THE CLAMP STOPS. TRIM EXCESS BRAID TO THE DIAMETER OF CLAMP SHOULDERS. TRIM CABLE TO DIMENSIONS SHOWN. DO NOT NICK CENTER CONDUCTOR.



3. SLIDE ASSEMBLY INTO BODY, WITH CENTER CONDUCTOR STARTING INTO SLOT OF CONTACT. TIGHTEN NUT SECURELY. SOLDER CENTER CONDUCTOR TO CONTACT & PRESS CAP INTO BODY.



DWG TITLE

**PE4407**

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.

**Pasternack Enterprises, Inc.**  
P.O. Box 16759 | Irvine | CA | 92623  
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FSCM NO. 53919

CAD FILE 082908

SCALE N/A

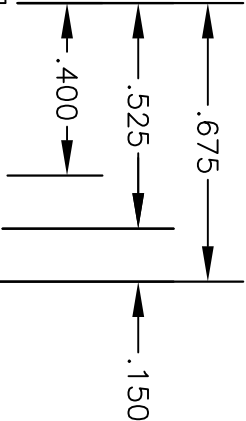
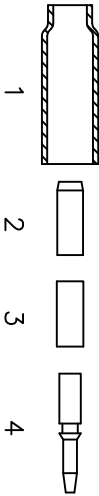
SIZE A

2233

MATERIALS		
BODY	BRASS NICKEL PLATED	
CONTACT	GOLD PLATED	
INSULATOR	PTFE	

ASSEMBLY PROCEDURES

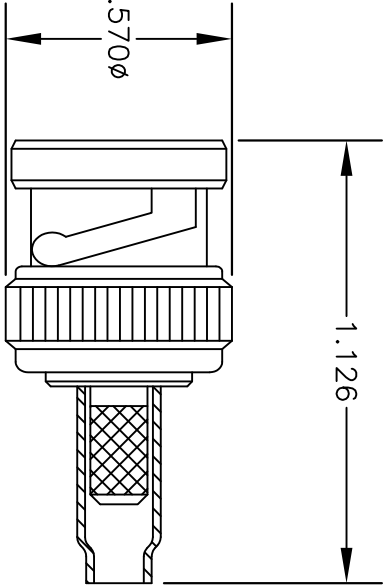
1. STRIP CABLE AS SHOWN & SLIDE FERRULE (1) ONTO CABLE.
2. FLARE END OF CABLE BRAID & SLIDE METAL SPACER (2) & PTFE (3) SPACER OVER CABLE DIELECTRIC.
3. THE CONTACT (4) SHOULD BUTT AGAINST THE DIELECTRIC & PTFE SPACER. CRIMP CONTACT TO CABLE CENTER CONDUCTOR.
4. INSTALL CABLE ASSEMBLY INTO BODY SO THAT THE INNER FERRULE PORTION OF BODY SLIDES UNDER BRAID. PUSH CABLE ASSEMBLY FORWARD UNTIL CONTACT SNAPS INTO PLACE. SLIDE FERRULE OVER BRAID AND UP AGAINST CONNECTOR BODY & CRIMP.



STRIPPING DIMENSIONS

CRIMP SIZES REQUIRED

CONTACT: .068" HEX CRIMP TOOL  
FERRULE: .178" HEX CRIMP TOOL



**PASTERNAK ENTERPRISES®**  
ESTABLISHED 1972

**PASTERNAK ENTERPRISES, INC.**  
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**COAXIAL & FIBER OPTICS**

DES. BNC MALE, CRIMP ATTACHMENT FOR  
RG188-DS & RG316-DS

DWG TITLE				
<b>PE4385</b>				
SIZE A	FSCM NO. 53919	CAD FILE	051002	SCALE N/A
				127

- NOTES:
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## Flexible RG316 Coax Cable Double Shielded with Tan FEP Jacket

### TECHNICAL DATA SHEET

RG316-DS

#### Flexible RG316 Coax Cable Double Shielded with Tan FEP Jacket

##### Configuration

Inner Conductor Material and Plating	Copper Clad Steel, 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
Velocity of Propagation, %	70
Maximum Operating Frequency, GHz	3
Capacitance, pF/ft [pF/m]	29.4 [96.46]
Maximum Operating Voltage, Volts	1,200

##### Electrical Specifications by Frequency

###### Frequency 1

Frequency, MHz	100
Attenuation, dB/100ft [dB/100m]	8 [26.25]

###### Frequency 2

Frequency, MHz	400
Attenuation, dB/100ft [dB/100m]	16.2 [53.15]

###### Frequency 3

Frequency, MHz	1000
Attenuation, dB/100ft [dB/100m]	26.1 [85.63]

###### Frequency 4

Frequency, GHz	3
Attenuation, dB/100ft [dB/100m]	46.7 [153.22]

##### Mechanical Specifications

###### Temperature

Operating Range, deg C	-55 to +200
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###### Inner Conductor

Number of Strands	7
Material	Copper Clad Steel
Plating	Silver
Diameter, in [mm]	0.02 [0.51]

Click the following link (or enter part number in "SEARCH" on website) to obtain additional part information including price, inventory and certifications: [Flexible RG316 Coax Cable Double Shielded with Tan FEP Jacket RG316-DS](#)

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## Flexible RG316 Coax Cable Double Shielded with Tan FEP Jacket

## TECHNICAL DATA SHEET

RG316-DS

**Dielectric:**

Type	PTFE
Diameter, in [mm]	0.06 [1.52]

**Shield:**

Number of	2
Material 1	Silver Plated Copper Braid
Material 2	Silver Plated Copper Braid
Diameter, in [mm]	0.096 [2.44]

**Jacket:**

Material	FEP
Diameter, in [mm]	0.114 [2.9]
Color	Tan
One Time Minimum Bend Radius, in [mm]	0.59 [14.99]
Weight, lbs/ft [Kg/m]	0.016 [0.02]

**Compliance Certifications** (visit [www.Pasternack.com](http://www.Pasternack.com) for current document)

RoHS Compliant	Yes
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**Plotted and Other Data**

Notes:	Values at 25 °C, sea level
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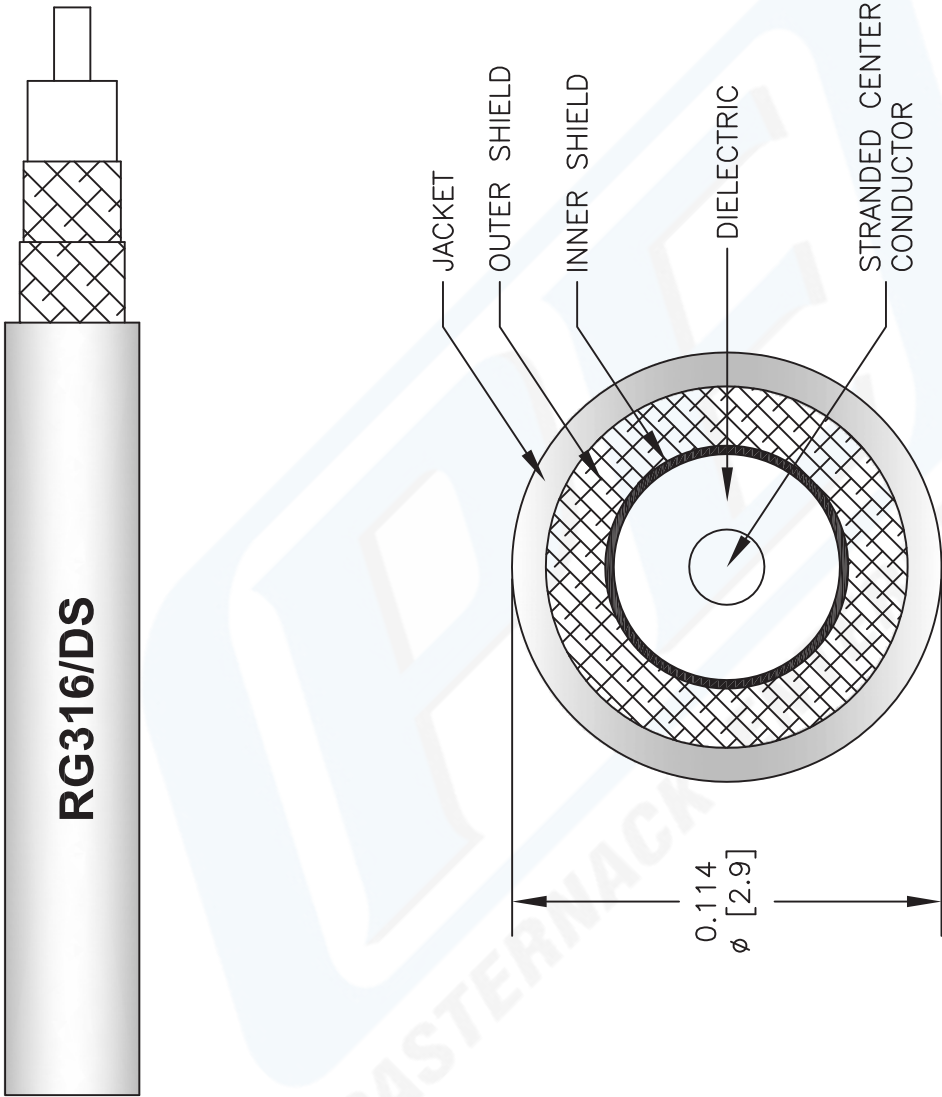
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URL: <http://www.pasternack.com/flexible-0.114-rg316-ds-50-ohm-coax-cable-fep-jacket-rg316-ds-p.aspx>

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# RG316-DS CAD Drawing

Flexible RG316 Coax Cable Double Shielded with Tan FEP Jacket



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DWG TITLE  
**RG316-DS**

FSCM NO. 53919

2233

SIZE A

SCALE N/A

CAD FILE 041812-B

**Pasternack Enterprises, Inc.**  
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