PASTERNACK®
THE ENGINEER'S RF SOURCE

SMB Plug Right Angle Connector Crimp/Solder Attachment for RG188-DS, RG316-DS

RF Connectors Technical Data Sheet   PE44818

Configuration

- SMB Plug Connector
- MIL-STD-348A
- 50 Ohms
- Right Angle Body Geometry
- RG188-DS, RG316-DS Interface Type
- Crimp/Solder Attachment

Features

- Max. Operating Frequency 4 GHz
- Good VSWR of 1.3:1
- Gold Plated Beryllium Copper Contact
- 30µ in. minimum contact plating

Applications

- General Purpose Test
- Custom Cable Assemblies

Description

Pasternack's PE44818 SMB plug right angle connector with crimp/solder attachment for RG188-DS and RG316-DS is part of our full line of RF components available for same-day shipping. Our SMB plug connector operates up to a maximum frequency of 4 GHz and offers good VSWR of 1.3:1. Its right angle body geometry allows for easier connections in tight spaces.

Our SMB plug right angle connector PE44818 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		4	GHz
VSWR			1.3:1	
Operating Voltage (AC)			250	Vrms
Dielectric Withstanding Voltage (AC)			750	Vrms

Mechanical Specifications

Size

Length	0.51 in [12.95 mm]
Width/Dia.	0.256 in [6.50 mm]
Height	0.75 in [19.05 mm]
Weight	0.02 lbs [9.07 g]

Click the following link (or enter part number in "SEARCH" on website) to obtain additional part information including price, inventory and certifications: SMB Plug Right Angle Connector Crimp/Solder Attachment for RG188-DS, RG316-DS PE44818

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Material Specifications

Description	Material	Plating
Contact	Beryllium Copper	Gold 30μ in. minimum
Insulation	Teflon	
Body	Brass	Nickel 100μ 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:

SMB Plug Right Angle Connector Crimp/Solder Attachment for RG188-DS, RG316-DS 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.
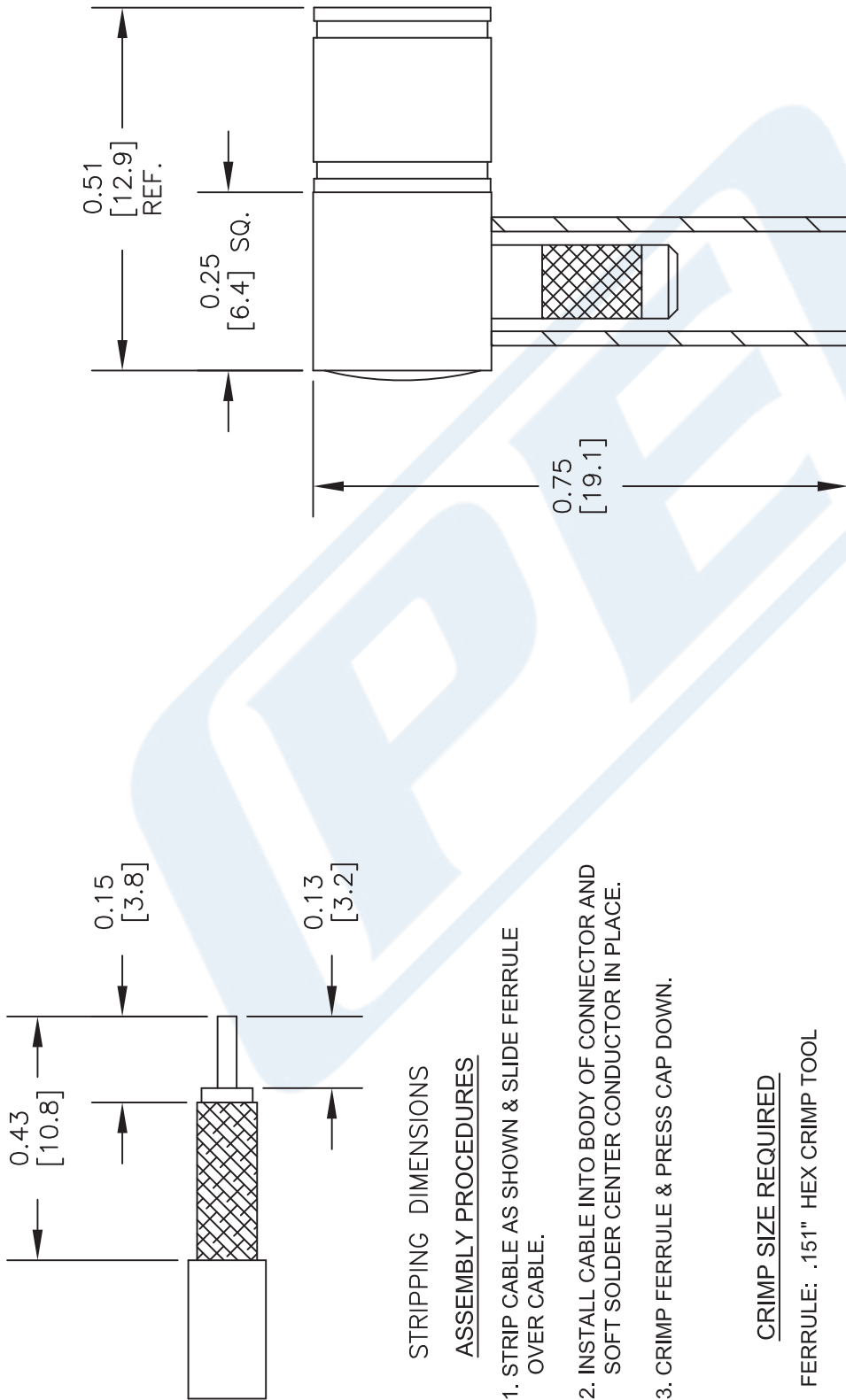
Click the following link (or enter part number in "SEARCH" on website) to obtain additional part information including price, inventory and certifications: SMB Plug Right Angle Connector Crimp/Solder Attachment for RG188-DS, RG316-DS PE44818

URL: https://www.pasternack.com/smb-plug-rg188-ds-rg316-ds-connector-pe44818-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.

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PE44818 CAD Drawing
SMB Plug Right Angle Connector Crimp/Solder Attachment for RG188-DS, RG316-DS

0.51 [12.9] REF.

0.25 [6.4] SQ.

0.75 [19.1]

0.15 [3.8]

0.13 [3.2]

0.43 [10.8]

STRIPPING DIMENSIONS

ASSEMBLY PROCEDURES

1. STRIP CABLE AS SHOWN & SLIDE FERRULE OVER CABLE.

2. INSTALL CABLE INTO BODY OF CONNECTOR AND SOFT SOLDER CENTER CONDUCTOR IN PLACE.

3. CRIMP FERRULE & PRESS CAP DOWN.

CRIMP SIZE REQUIRED

FERRULE: .151" HEX CRIMP TOOL

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

*STANDARD TOLERANCES APPLY
ONLY TO DIMENSIONS IN INCHES

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].

DWG TITLE		
PE44818		
CAGE CODE	53919	

CAD FILE	112916	

SCALE N/A		
SIZE A		
2233		

PE44818 REV 1.0

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