



## 75 Ohm SMC Plug Connector Clamp/Solder Attachment for RG59, RG62, RG71

### RF Connectors Technical Data Sheet

**PE4258**

#### Configuration

- SMC Plug Connector
- 75 Ohms
- Straight Body Geometry
- Connector Interface Types: RG59, RG62, RG71

#### Features

- Max. Operating Frequency 2 GHz
- Gold Plated Beryllium Copper Contact
- Contact plating according to ASTM-B488-11

#### Applications

- General Purpose Test
- Custom Cable Assemblies

#### Description

Pasternack's PE4258, SMC, Standard, Connector is part of our full line of RF components available for same-day shipping. Our SMC plug connector operates up to a maximum frequency of 2 GHz.

Our 75 ohm SMC plug connector PE4258 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
Impedance		75		Ohms
Dielectric Withstanding Voltage (AC)			2,000	Vrms
High Potential Voltage at 5 MHz			1,000	Vrms
Corona Discharge at 70,000 feet			350	Vrms
Insulation Resistance	1,000			MOhms

#### Mechanical Specifications

Size	
Length	0.72 in [18.29 mm]
Width	0.34 in [8.64 mm]
Height	0.00 in [0.00 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 SMC Plug Connector Clamp/Solder Attachment for RG59, RG62, RG71 PE4258](#)



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Weight 0.01 lbs [6.35 g]  
Mating Cycles 500 Cycles

**Material Specifications**

Description	Material	Plating
Contact	Beryllium Copper	Gold ASTM-B488-11
Insulation	PTFE	
Body	Brass	Nickel QQ-N-290
Coupling Nut	Brass	Nickel QQ-N-290

**Environmental Specifications**

**Temperature**

Operating Range	-65 to +165 deg C
Shock	MIL-STD-202, Method 213, Condition B
Vibration	MIL-STD-202, Method 204, Condition B
Thermal Shock	MIL-STD-202, Method 107, Condition B
Salt Spray	MIL-STD-202, Method 101, Condition B, 5% salt solution

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

**Plotted and Other Data**

Notes:

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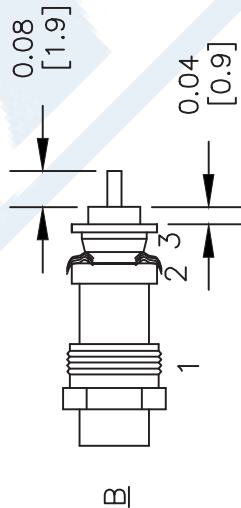
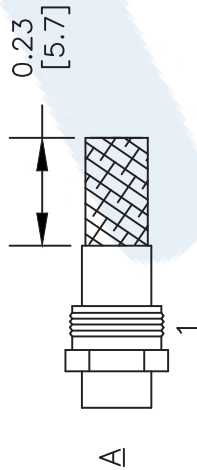
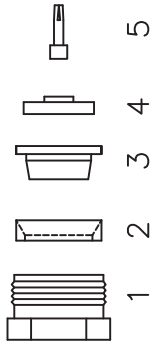
**PE4258**

75 Ohm SMC Plug Connector Clamp/Solder Attachment for RG59, RG62, RG71 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 SMC Plug Connector Clamp/Solder Attachment for RG59, RG62, RG71 PE4258](https://www.pasternack.com/smc-plug-standard-rg59-rg62-connector-pe4258-p.aspx)

URL: <https://www.pasternack.com/smc-plug-standard-rg59-rg62-connector-pe4258-p.aspx>

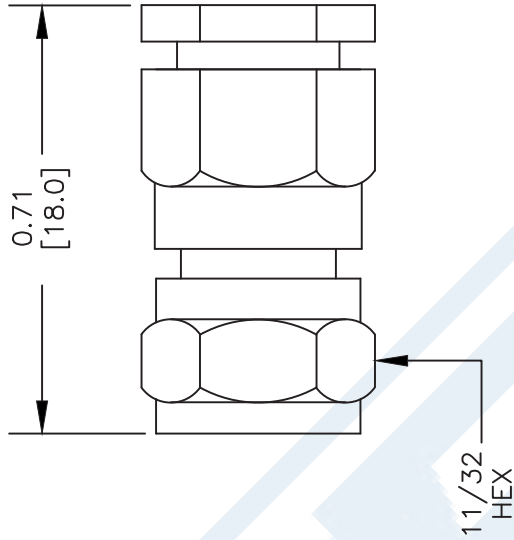
The information contained in this document is accurate to the best of our knowledge and representative of the part described herein. It may be necessary to make modifications to the part and/or the documentation of the part, in order to implement improvements. Pasternack reserves the right to make such 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.



STRIPPING DIMENSIONS

ASSEMBLY PROCEDURES

1. SLIDE CLAMP NUT (1) OVER CABLE AS SHOWN IN A.  
SLIDE COMPRESSION WASHER (2) OVER BRAID & SEAT  
AGAINST JACKET. FLAIR BRAID OVER COMPRESSION  
WASHER (2).
2. SLIDE BRAID CLAMP (3) OVER DIELECTRIC & UNDER  
BRAID. PUSH INTO WASHER UNTIL IT STOPS. STRIP  
CABLE AS SHOWN IN B. TRIM EXCESS BRAID FLUSH  
WITH SURFACE OF COMPRESSION WASHER (2). INSERT  
INSULATOR (4) OVER DIELECTRIC WITH CENTER  
CONDUCTOR PROTRUDING THROUGH HOLE.
3. SOLDER CONTACT (5) TO CENTER CONDUCTOR. INSERT  
CABLE ASSEMBLY INTO BODY & TIGHTEN.



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DWG TITLE

PE4258

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.

REV. -

FSCM NO. 53919

CAD FILE 042309

SCALE N/A

SIZE A

2233