



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
- RG59, RG62, RG71 Interface Type
- Clamp/Solder Attachment

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 75 ohm SMC plug connector with clamp/solder attachment for RG59, RG62 and RG71 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
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

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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Mechanical Specifications

Size

Length 0.72 in [18.29 mm]

Width/Dia. 0.34 in [8.64 mm]

Weight 0.014 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

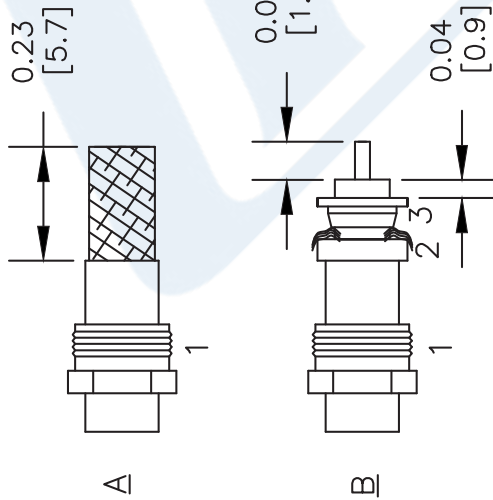
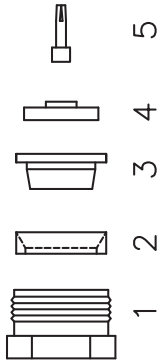
Salt Spray

MIL-STD-202, Method 101, Condition B, 5% salt solution

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PE4258 CAD Drawing

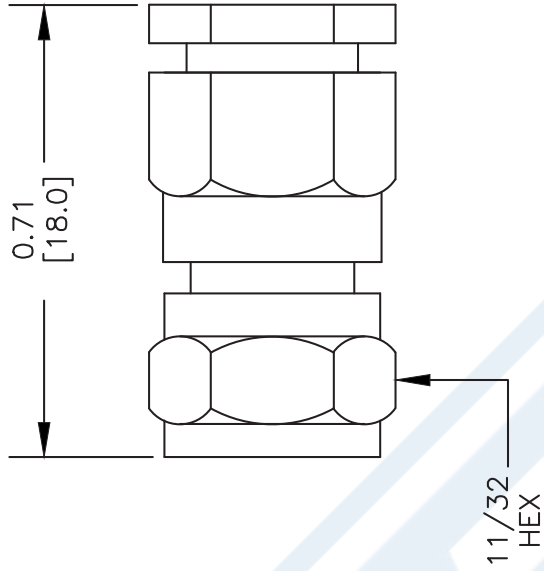
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STRIPPING DIMENSIONS

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.



PASTERNAK®
Pasternack Enterprises, Inc.
P.O. Box 16759 | Irvine | CA | 92623
Phone: (949) 261-1920 | **Fax:** (949) 261-7451
Website: www.pasternack.com | **E-Mail:** sales@pasternack.com

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