

## Push-On SMP Female Right Angle to SMA Male Cable Using RG188 Coax



### RF Cable Assemblies Technical Data Sheet

**PE3W07858**

#### Configuration

- Connector 1: Push-OnSMP Female Right Angle
- Connector 2: SMA Male
- Cable Type: RG188

#### Features

- Max Frequency 3 GHz
- PTFE Jacket

#### Applications

- General Purpose
- Laboratory Use

#### Description

Pasternack's PE3W07858 SMP female push-on right angle to SMA male cable using RG188 coax is part of our full line of RF components available for same-day shipping. Pasternack's flexible RF cable assemblies are ideal for applications where tight bends and flexure are required. This Pasternack SMP to SMA cable assembly has a female to male gender configuration with 50 ohm flexible RG188 coax. The PE3W07858 SMP female to SMA male cable assembly operates to 3 GHz. The right angle SMP interface on the RG188 cable allows for easier connections in tight spaces.

Custom versions of most RF cable assemblies can be built and shipped same day. Custom cable assembly lengths can be obtained by specifying the desired length on the web site at time of order or by contacting a sales representative. Other available RF cable assembly value added services include connector orientation or clocking, heat shrink booting and custom labeling. RF testing can also be performed to document the electrical performance of your cable assembly.

#### Electrical Specifications

Description	Minimum	Typical	Maximum	Units
Frequency Range	DC		3	GHz
VSWR			1.4:1	

#### Specifications by Frequency

Description	F1	F2	F3	F4	F5	Units
Frequency	0.1	0.25	0.5	1	3	GHz
Insertion Loss (Typ.)	0.262	0.396	0.585	0.856	1.532	dB/ft
	0.86	1.3	1.92	2.81	5.03	dB/m

#### Electrical Specification Notes:

Insertion Loss does not include the loss of the connectors. Insertion Loss is estimated as 0.1 dB for the SMA male connector and 0.2 dB for the SMP female connector.

Click the following link (or enter part number in "SEARCH" on website) to obtain additional part information including price, inventory and certifications: [Push-On SMP Female Right Angle to SMA Male Cable Using RG188 Coax PE3W07858](#)

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#### Mechanical Specifications

##### Cable Assembly

Weight	0.03 lbs [13.61 g]
<b>Cable</b>	
Cable Type	RG188
Impedance	50 Ohms
Inner Conductor Type	Stranded
Inner Conductor Material and Plating	Copper Clad Steel, Silver
Dielectric Type	PTFE
Number of Shields	1
Shield Layer 1	Silver Plated Copper Braid
Jacket Material	PTFE, White
Jacket Diameter	0.11 in [2.79 mm]

#### Connectors

Description	Connector 1	Connector 2
Type	SMP Female Right Angle	SMA Male
Specification	MIL-STD-348A	
Impedance	50 Ohms	50 Ohms
Connection Method	Push-On	
Contact Material and Plating	Beryllium Copper, Gold	Brass, Gold
Contact Plating Specification	30µ in. minimum	
Dielectric Type	Teflon	PTFE
Outer Conductor Material and Plating	Beryllium Copper, Gold	
Outer Conductor Plating Specification	3µ in. minimum	
Body Material and Plating	Brass, Gold	Brass, Gold
Body Plating Specification	3µ in. minimum	
Coupling Nut Material and Plating		Brass, Gold
Hex Size		5/16 in
Torque		5 in-lbs [0.57 Nm]

#### Environmental Specifications

##### Temperature

Operating Range

-55 to +250 deg C

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**PE3W07858**

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

### Plotted and Other Data

Notes:

### How to Order

Part Number Configuration:

**PE3W07858**

- **xx**

**uu**

Unit of Measure:  
cm = Centimeters  
<blank> = Inches

Length  
Base Number

Example: PE3W07858-12 = 12 inches long cable  
PE3W07858-100cm = 100 cm long cable

Push-On SMP Female Right Angle to SMA Male Cable Using RG188 Coax 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: [Push-On SMP Female Right Angle to SMA Male Cable Using RG188 Coax PE3W07858](#)

URL: <https://www.pasternack.com/push-on-smp-female-right-angle-to-sma-male-cable-using-rg188-pe3w07858-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.

# PE3W07858 CAD Drawing

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