



## SMA Male to SMC Plug Adapter

### RF Adapters Technical Data Sheet

PE9148

#### Configuration

- SMA Male Connector 1
- SMC Plug Connector 2
- 50 Ohms
- Straight Body Geometry

#### Features

- SMA Interface compliant with MIL-STD-348
- SMC Interface compliant with MIL-STD-348
- Gold over Nickel Plated Beryllium Copper Contact
- Contact Plating per MIL-G-45204

#### Applications

- Allows Connection Between Series
- General Purpose Test

#### Description

Pasternack's PE9148 SMA male to SMC plug adapter is part of our full line of RF components available for same-day shipping. The SMA connector mates mechanically with commercially available 3.5mm and 2.92mm (K) connectors. Our SMA to SMC adapter has a male to plug gender configuration. PE9148 SMA male to SMC plug adapter operates to 10 GHz.

RF adapters are often used to enable connections between two connector types that would otherwise not mate. Certain adapter configurations can also be used to protect connectors on expensive equipment where the number of connect/disconnect cycles is high. An RF, microwave or millimeter wave adapter is connected to the equipment, and the commonly changed connection is made with the adapter which can be easily replaced when it wears out after high usage; such adapters are referred to as connector savers. Pasternack also offers bulkhead, panel mount, hermetically sealed, reverse polarity, and isolated ground adapter varieties to serve all of your RF, microwave and millimeter wave needs.

#### Electrical Specifications

Description	Minimum	Typical	Maximum	Units
Frequency Range	DC		10	GHz
Operating Voltage (AC)			250	Vrms
Dielectric Withstanding Voltage (AC)			750	Vrms
Insulation Resistance	5,000			MOhms

Electrical Specification Notes:  
Values at 25°C, sea level.

#### Mechanical Specifications

##### Size

Length	0.87 in [22.1 mm]
Width	0.315 in [8 mm]
Weight	0.013 lbs [5.9 g]

Click the following link (or enter part number in "SEARCH" on website) to obtain additional part information including price, inventory and certifications: [SMA Male to SMC Plug Adapter PE9148](#)



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Description	Connector 1	Connector 2
Type	SMA Male	SMC Plug
Polarity	Standard	Standard
Interface Specification	MIL-STD-348	MIL-STD-348
Hex Size	5/16 in.	1/4 in.
Mating Torque	3 to 5 in-lbs [0.34 to 0.57 Nm]	3 to 5 in-lbs [0.34 to 0.57 Nm]

#### Material Specifications

Description	Connector 1		Connector 2	
	Material	Plating	Material	Plating
Type	SMA Male		SMC Plug	
Contact	Beryllium Copper	Gold over Nickel MIL-G-45204	Beryllium Copper	Gold over Nickel MIL-G-45204
Insulation	PTFE		PTFE	
Body	Brass	Nickel QQ-N-290	Brass	Nickel QQ-N-290
Coupling Nut	Brass	Nickel QQ-N-290	Brass	Nickel QQ-N-290

#### Environmental Specifications

##### Temperature

Operating Range -65 to +165 deg C

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

#### Plotted and Other Data

Notes:

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SMA Male to SMC Plug Adapter 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.

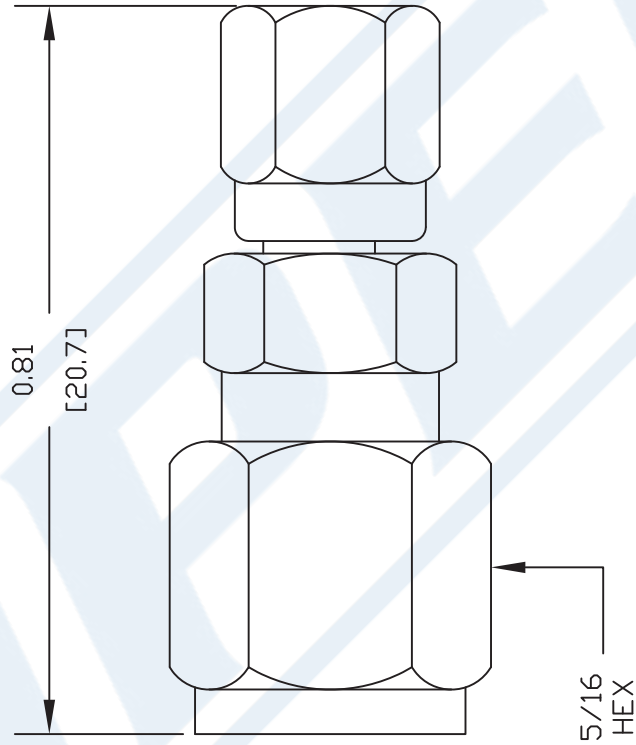
Click the following link (or enter part number in "SEARCH" on website) to obtain additional part information including price, inventory and certifications: [SMA Male to SMC Plug Adapter PE9148](#)

URL: <https://www.pasternack.com/sma-male-smc-plug-straight-adapter-pe9148-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.

# PE9148 CAD Drawing

## SMA Male to SMC Plug Adapter



DWG TITLE

**PE9148**

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].

REV. -

FSCM NO. 53919

CAD FILE 082702

SCALE N/A

SIZE A

127



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