



Precision SMA Female to 2.92mm Male Adapter

RF Adapters Technical Data Sheet

PE91009

Configuration

- SMA Female Connector 1
- 2.92mm Male Connector 2
- 50 Ohms
- Precision Design
- Straight Body Geometry

Features

- Max VSWR of 1.2:1 up to 26.5 GHz
- SMA Interface compliant with MIL-STD-348
- Gold over Nickel Plated Beryllium Copper Contact
- 50 μ m min Gold over Nickel Contact Plating

Applications

- Allows Connection Between Series
- General Purpose Test
- Precision Test & Measurement

Description

Pasternack's PE91009 precision SMA female to 2.92mm male 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 2.92mm adapter has a female to male gender configuration in a precision design. PE91009 SMA female to 2.92mm male adapter operates to 26.5 GHz. The Pasternack RF adapter provides excellent VSWR of 1.2:1 maximum.

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		26.5	GHz
VSWR			1.2:1	
Insertion Loss			0.25	dB
Dielectric Withstanding Voltage (AC)			750	Vrms

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

Mechanical Specifications

Size	
Length	0.756 in [19.2 mm]
Width	0.312 in [7.92 mm]
Weight	0.01 lbs [4.54 g]

Click the following link (or enter part number in "SEARCH" on website) to obtain additional part information including price, inventory and certifications: [Precision SMA Female to 2.92mm Male Adapter PE91009](#)



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Description	Connector 1	Connector 2
Type	SMA Female	2.92mm Male
Polarity	Standard	Standard
Interface Specification	MIL-STD-348	
Hex Size		5/16 in.
Mating Torque		8 to 10 in-lbs [0.90 to 1.13 Nm]

Material Specifications

Description	Connector 1		Connector 2	
	Material	Plating	Material	Plating
Type	SMA Female		2.92mm Male	
Contact	Beryllium Copper	Gold over Nickel 50 µin minimum	Beryllium Copper	Gold over Nickel 50 µin minimum
Insulation	PTFE		PTFE	
Outer Conductor	Passivated Stainless Steel	SAE-AMS-2700		
Body			Passivated Stainless Steel	SAE-AMS-2700
Coupling Nut			Passivated Stainless Steel	SAE-AMS-2700

Environmental Specifications

Temperature

Operating Range -55 to +150 deg C

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

Plotted and Other Data

Notes:

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Precision SMA Female to 2.92mm Male 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.

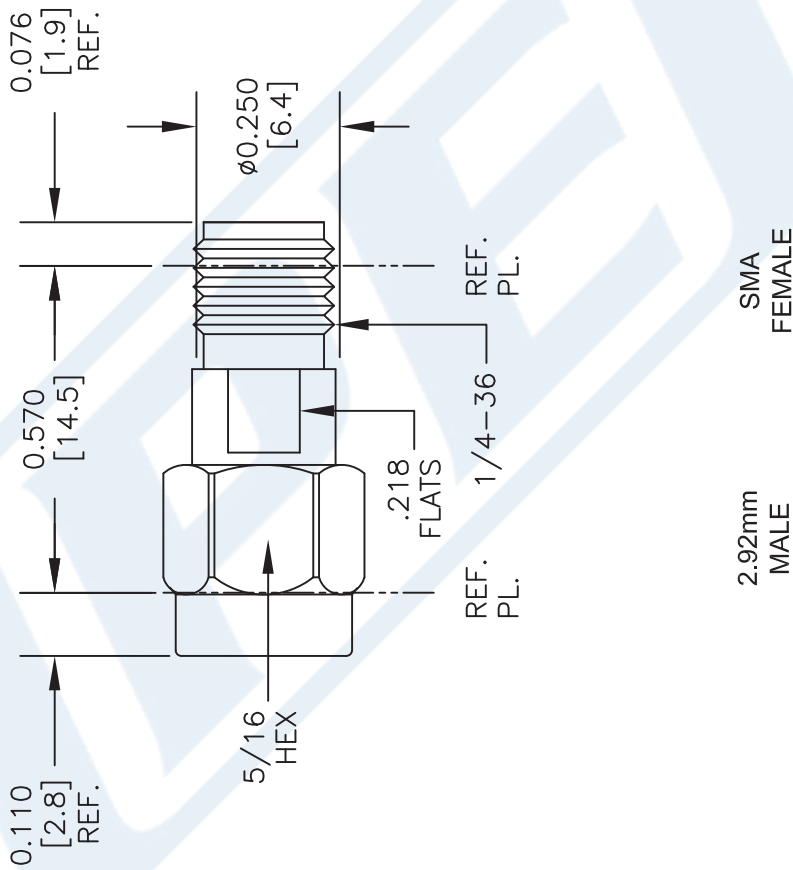
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URL: <https://www.pasternack.com/sma-female-2.92mm-male-straight-adapter-pe91009-p.aspx>

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.

PE91009 CAD Drawing

Precision SMA Female to 2.92mm Male Adapter



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

*STANDARD TOLERANCES APPLY ONLY TO DIMENSIONS IN INCHES

2.92mm MALE SMA FEMALE

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DWG TITLE
PE91009
 FSCM NO. 53919

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].

CAD FILE	083116	SCALE	N/A	SIZE	A	41742
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