



SMA Female to TNC Female Adapter

RF Adapters Technical Data Sheet

PE9079

Configuration

- SMA Female Connector 1
- TNC Female Connector 2
- 50 Ohms
- Straight Body Geometry

Features

- SMA Interface compliant with MIL-STD-348
- TNC Interface compliant with MIL-STD-348
- Gold over Copper Plated Beryllium Copper Contact
- 30 µm min Gold over Copper Contact Plating

Applications

- Allows Connection Between Series
- General Purpose Test

Description

Pasternack's PE9079 SMA female to TNC female 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 TNC adapter has a female to female gender configuration. PE9079 SMA female to TNC female adapter operates to 11 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		11	GHz
Operating Voltage (AC)			500	Vrms
Dielectric Withstanding Voltage (AC)			1,500	Vrms

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

Mechanical Specifications

Size	
Length	1.32 in [33.53 mm]
Width	0.57 in [14.48 mm]
Weight	0.041 lbs [18.6 g]

Click the following link (or enter part number in "SEARCH" on website) to obtain additional part information including price, inventory and certifications: [SMA Female to TNC Female Adapter PE9079](#)



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Description	Connector 1	Connector 2
Type	SMA Female	TNC Female
Polarity	Standard	Standard
Interface Specification	MIL-STD-348	MIL-STD-348

Material Specifications

Description	Connector 1		Connector 2	
	Material	Plating	Material	Plating
Type	SMA Female		TNC Female	
Contact	Beryllium Copper	Gold over Copper 30 µin minimum	Beryllium Copper	Gold over Copper 30 µin minimum
Insulation	PTFE		PTFE	
Outer Conductor	Brass	Nickel 150 µin minimum	Brass	Nickel 150 µin minimum

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 Female to TNC Female 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.

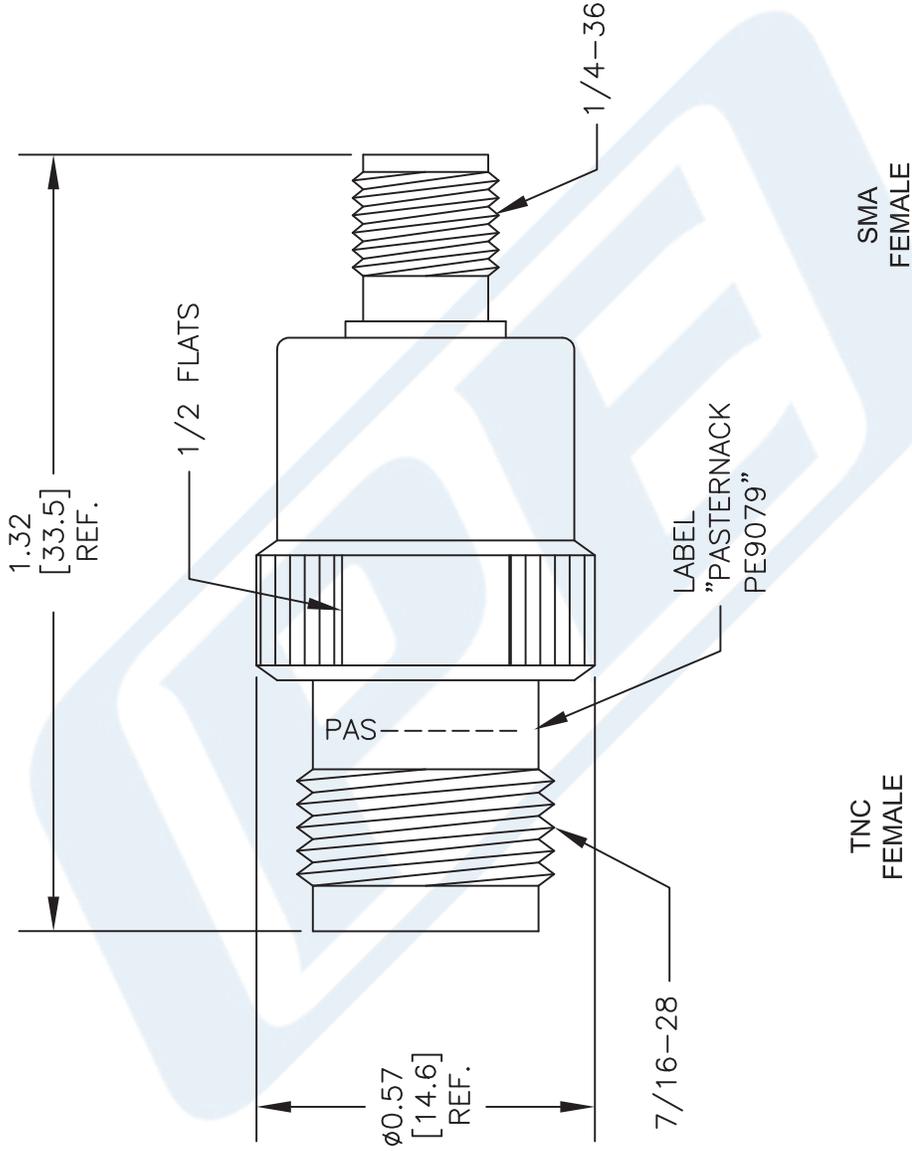
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URL: <https://www.pasternack.com/sma-female-tnc-female-straight-adapter-pe9079-p.aspx>

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.

PE9079 CAD Drawing

SMA Female to TNC Female Adapter



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

*STANDARD TOLERANCES APPLY ONLY TO DIMENSIONS IN INCHES

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].

DWG TITLE
PE9079

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CAD FILE 090216 SCALE N/A SIZE A 41742

FSCM NO. 53919