



SMA Male to TNC Male Adapter

RF Adapters Technical Data Sheet

PE9439

Configuration

- SMA Male Connector 1
- TNC Male Connector 2
- 50 Ohm
- Straight Body Geometry

Features

- Max VSWR of 1.25:1 up to 18 GHz
- SMA interface compliant with MIL-C-39012
- TNC interface compliant with MIL-C-39012
- Gold Plated Beryllium Copper Contact

Applications

- Allows Connection Between Series
- General Purpose Test

Description

Pasternack's PE9439 SMA male to TNC 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 TNC adapter has a male to male gender configuration built of durable stainless steel. PE9439 SMA male to TNC male adapter operates to 18 GHz. The Pasternack RF adapter provides excellent VSWR of 1.25:1 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		18	GHz
Impedance		50 Ohm		
VSWR			1.25:1	

Mechanical Specifications

Size	
Length	1.65 in [41.91 mm]
Width	0.63 in [15.88 mm]
Height	0.63 in [15.88 mm]
Weight	0.08 lbs [37.01 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 TNC Male Adapter PE9439](#)



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Description	Connector 1	Connector 2
Type	SMA Male	TNC Male
Polarity	Standard	Standard
Interface Specification	MIL-C-39012	MIL-C-39012
Hex Size	16-May in.	16-Jul in.

Mechanical Specification Notes:
TNC connector is mode free up to 18 GHz.

Material Specifications

Description	Connector 1		Connector 2	
	Material	Plating	Material	Plating
Type	SMA Male		TNC Male	
Contact	Beryllium Copper	Gold	Beryllium Copper	Gold
Body	Passivated Stainless Steel		Passivated Stainless Steel	
Coupling Nut	Passivated Stainless Steel		Passivated Stainless Steel	

Environmental Specifications

Temperature

Operating Range -65 to 125 °C

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

Plotted and Other Data

Notes:

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Typical Performance Data



SMA Male to TNC Male Adapter 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.

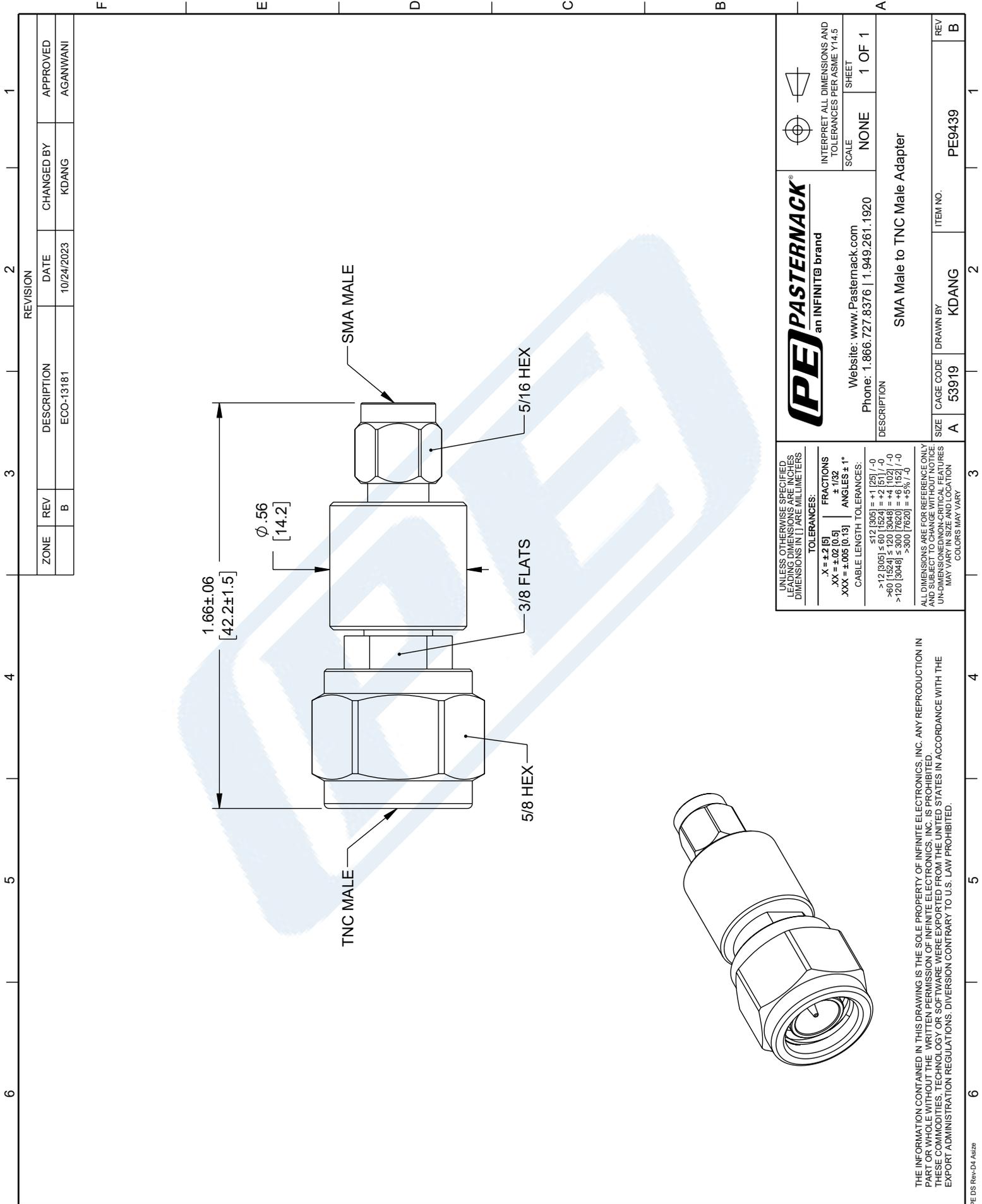
Click the following link (or enter part number in "SEARCH" on website) to obtain additional part information including price, inventory and certifications: [SMA Male to TNC Male Adapter PE9439](#)

URL: <https://www.pasternack.com/sma-male-tnc-male-straight-adapter-pe9439-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.

PE9439 CAD Drawing

SMA Male to TNC Male Adapter



ZONE	REV	DESCRIPTION	DATE	CHANGED BY	APPROVED
	B	ECO-13181	10/24/2023	KDANG	AGANWANI

REVISION	
DATE	CHANGED BY
10/24/2023	KDANG

PASTERNAK an INFINITT® brand		INTERPRET ALL DIMENSIONS AND TOLERANCES PER ASME Y14.5 SCALE: NONE SHEET: 1 OF 1
Website: www.Pasternack.com Phone: 1.866.727.8376 1.949.261.1920		DESCRIPTION: SMA Male to TNC Male Adapter
SIZE	CAGE CODE	ITEM NO.
A	53919	PE9439

UNLESS OTHERWISE SPECIFIED, LEADING DIMENSIONS ARE IN INCHES DIMENSIONS IN [] ARE MILLIMETERS

TOLERANCES:
 .X = ± 2 [9]
 .XX = ± 0.02 [0.5]
 .XXX = ± 0.005 [0.13]

FRACTIONS
 ± 1/32

ANGLES ± 1°

CABLE LENGTH TOLERANCES:
 ≤ 12 [305] = ± 1 [25] / -0
 ≤ 60 [1524] = ± 2 [51] / -0
 ≤ 120 [3048] = ± 4 [102] / -0
 ≤ 300 [7620] = ± 6 [152] / -0
 > 300 [7620] = +5% / -0

ALL DIMENSIONS ARE FOR REFERENCE ONLY AND SUBJECT TO CHANGE WITHOUT NOTICE UNLESS OTHERWISE SPECIFIED. UN-DIMENSIONED NON-CRITICAL FEATURES MAY VARY IN SIZE AND LOCATION. COLORS MAY VARY.

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PE9439 REV 1.2

PE DS Rev-D4 A3/26

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