



SMA Male to TNC Female Adapter

RF Adapters Technical Data Sheet

PE91507

Configuration

- SMA Male Connector 1
- TNC Female Connector 2
- Straight Body Geometry

Features

- Max VSWR of 1.2:1 up to 18 GHz
- Gold over Nickel Plated Beryllium Copper Contact
- Max VSWR of 1.20:1 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
- Allows Connection Between Series
- General Purpose Test

Description

Pasternack's PE91507 SMA male 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 male to female gender configuration built of durable stainless steel. PE91507 SMA male to TNC female adapter operates to 18 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		18	GHz
VSWR			1.2:1	

Mechanical Specifications

Size

Length 1.25 in [31.75 mm]

Description	Connector 1	Connector 2
Type	SMA Male	TNC Female
Polarity	Standard	Standard

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 Female Adapter PE91507](#)



SMA Male to TNC Female Adapter

RF Adapters Technical Data Sheet

PE91507

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 Female	
Contact	Beryllium Copper	Gold over Nickel	Beryllium Copper	Gold over Nickel
Insulation	PTFE		PTFE	
Outer Conductor			Passivated Stainless Steel	
Body	Passivated Stainless Steel		Passivated Stainless Steel	
Coupling Nut	Passivated Stainless Steel			

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

SMA Male 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 99.4% availability and are part of the broadest selection in the industry.

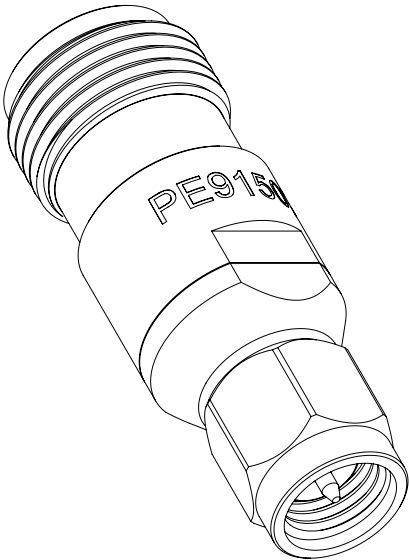
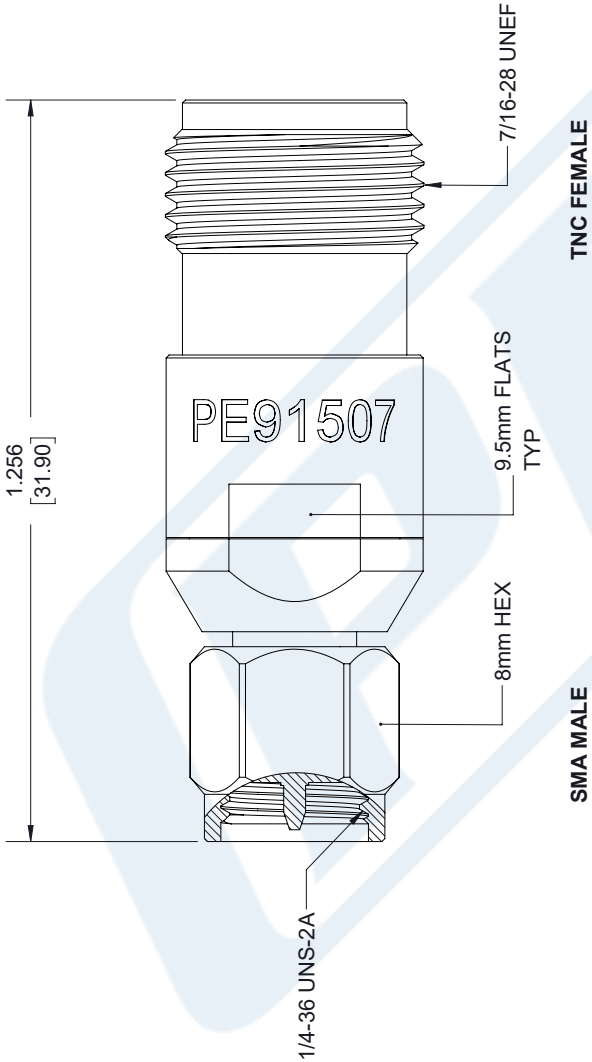
Click the following link (or enter part number in "SEARCH" on website) to obtain additional part information including price, inventory and certifications: [SMA Male to TNC Female Adapter PE91507](#)

URL: <https://www.pasternack.com/sma-male-tnc-female-straight-adapter-pe91507-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.

PE91507 CAD Drawing
SMA Male to TNC Female Adapter

REVISIONS			
REV.	DESCRIPTION	DATE	APPROVED
A	INITIAL RELEASE	10/16/19	SELLIS



UNLESS OTHERWISE SPECIFIED LEADING DIMENSIONS ARE IN INCHES DIMENSIONS IN [] ARE MILLIMETERS			
TOLERANCES:			
X±.2	[5.08]	FRACTIONS	
.XX±.01	[.25]		±.132
.XXX±.005	[.13]	ANGLES ± 1°	
ALL DIMENSIONS SHOWN ARE FOR REFERENCE ONLY.			
THIRD-ANGLE PROJECTION			

PE PASTERNAK an INFINITO brand		Pasternack Enterprises, Inc. P.O. Box 16759, Irvine, CA 92623. Phone: 1.949.261.1920 1.866.727.8376 Fax: 1.949.261.7451 www.pasternack.com e-mail: sales@pasternack.com	
SIZE	CAGE CODE	DRAWN BY	PART NUMBER
A	53919	K.DANG	PE91507

THE INFORMATION AND DESIGN IN THIS DOCUMENT IS THE PROPERTY OF PASTERNAK CORPORATION. ALL RIGHTS RESERVED.			
SHEET	1	OF	1
SCALE	N/A		
			REV
			A

THESE COMMODITIES, TECHNOLOGY OR SOFTWARE WERE EXPORTED FROM THE UNITED STATES IN ACCORDANCE WITH THE EXPORT
ADMINISTRATION REGULATIONS. DIVERSION CONTRARY TO U.S. LAW PROHIBITED.