



## SMA Male to SMA Male Adapter

### RF Adapters Technical Data Sheet

**PE91535**

#### Configuration

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

#### Features

- Max VSWR of 1.2:1 up to 26.5 GHz
- 4  $\mu$ m. Minimum contact plating
- Gold over Nickel Plated Brass Contact

#### Applications

- General Purpose Test

#### Description

Pasternack's PE91535 SMA male to SMA 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 SMA adapter has a male to male gender configuration built of durable stainless steel. PE91535 SMA male to SMA 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
Impedance		50 Ohm		
VSWR			1.2:1	
Insertion Loss			0.21	dB
Operating Voltage (AC)			500	Vrms
Dielectric Withstanding Voltage (AC)			1,500	Vrms
Insulation Resistance	5,000			MOhms

#### Mechanical Specifications

##### Size

Length	0.86 in [21.84 mm]
Width	0.32 in [8.00 mm]
Height	0.32 in [8.00 mm]
Weight	0.30 lbs [136.08 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 SMA Male Adapter PE91535](#)



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

#### Material Specifications

Description	Connector 1		Connector 2	
	Material	Plating	Material	Plating
Type	SMA Male		SMA Male	
Contact	Brass	Gold over Nickel 4 µin. Minimum	Brass	Gold over Nickel 4 µin. Minimum
Insulation	PTFE		PTFE	
Body	Passivated Stainless Steel		Passivated Stainless Steel	
Coupling Nut	Passivated Stainless Steel		Passivated Stainless Steel	

#### Environmental Specifications

##### Temperature

Operating Range	-65 to +165 °C
Storage Range	-65 to +165 °C

Humidity	MIL-STD-202, Method 206
Thermal Shock	MIL-STD-202, Method 107, Condition B
Salt Spray	MIL-STD-202, Method 101, Condition B

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

#### Plotted and Other Data

Notes:

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**PE91535**

SMA Male to SMA 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 SMA Male Adapter PE91535](#)

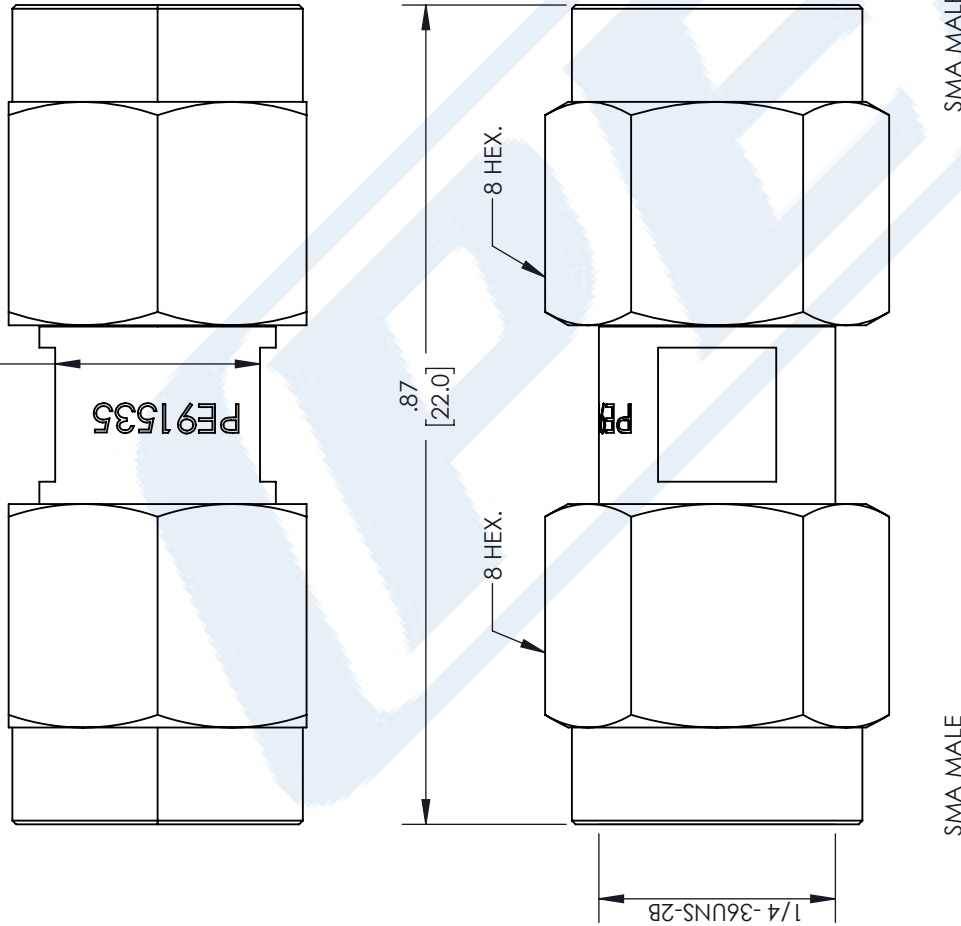
URL: <https://www.pasternack.com/sma-male-sma-male-straight-adapter-pe91535-p.aspx>

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.

# PE91535 CAD Drawing

## SMA Male to SMA Male Adapter

REVISIONS		
REV.	DESCRIPTION	DATE
A	INITIAL RELEASE	02/15/2021
		APPROVED
		SELLIS



**PE PASTERNAK**  
an INFINITI<sup>®</sup> brand

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THIRD-ANGLE PROJECTION

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SHEET 1 OF 1

SCALE N/A

REV A

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

TOLERANCES:

X = ±.2 [5.08] FRACTIONS ±.1/32 ANGLES ± 1°  
XX = ±.02 [.51] ANGLES ± 1°  
XXX = ±.005 [.13]

CABLE LENGTH (L) TOLERANCES:  
L ≤ 12 [305] = ±.1 [2.5] / -0  
12 [305] < L ≤ 60 [1524] = +2 [51] / -0  
60 [1524] < L ≤ 120 [3048] = +4 [102] / -0  
120 [3048] < L ≤ 300 [7620] = +6 [152] / -0  
300 [7620] < L = +5% / -0

ALL DIMENSIONS SHOWN ARE FOR REFERENCE ONLY.

SIZE CAGE CODE DRAWN BY ITEM NO. REV

A 53919 MVEERAPPAN PE91535 A

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