



# SMA Female to SMA Female Radius Right Angle Passivated Stainless Steel Adapter

## RF Adapters Technical Data Sheet

PE91494

### Configuration

- SMA Female Connector 1
- SMA Female Connector 2
- 50 Ohm
- Radius Right Angle Body Geometry

### Features

- Max VSWR of 1.25:1 up to 18 GHz
- SMA interface compliant with MIL-STD 348
- 30 µin contact plating
- Gold Plated Beryllium Copper Contact

### Applications

- General Purpose Test

### Description

Pasternack's PE91494 SMA female to SMA female radius right angle 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 female to female gender configuration built of durable stainless steel. PE91494 SMA female to SMA female adapter operates to 18 GHz. The Pasternack RF adapter provides excellent VSWR of 1.25:1 maximum. This radius right angle SMA to SMA adapter allows for easier connections in tight spaces.

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			1.25:1	

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

### Mechanical Specifications

Size	
Length	0.483 in [12.27 mm]
Height	0.46 in [11.68 mm]

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 SMA Female Radius Right Angle Passivated Stainless Steel Adapter PE91494](#)



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Description	Connector 1	Connector 2
Type	SMA Female	SMA 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		SMA Female	
Contact	Beryllium Copper	Gold 30 µin	Beryllium Copper	Gold 30 µin
Insulation	PTFE		PTFE	
Outer Conductor	Passivated Stainless Steel		Passivated Stainless Steel	
Body	Passivated Stainless Steel		Passivated Stainless Steel	

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

SMA Female to SMA Female Radius Right Angle Passivated Stainless Steel 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 Female to SMA Female Radius Right Angle Passivated Stainless Steel Adapter PE91494](#)

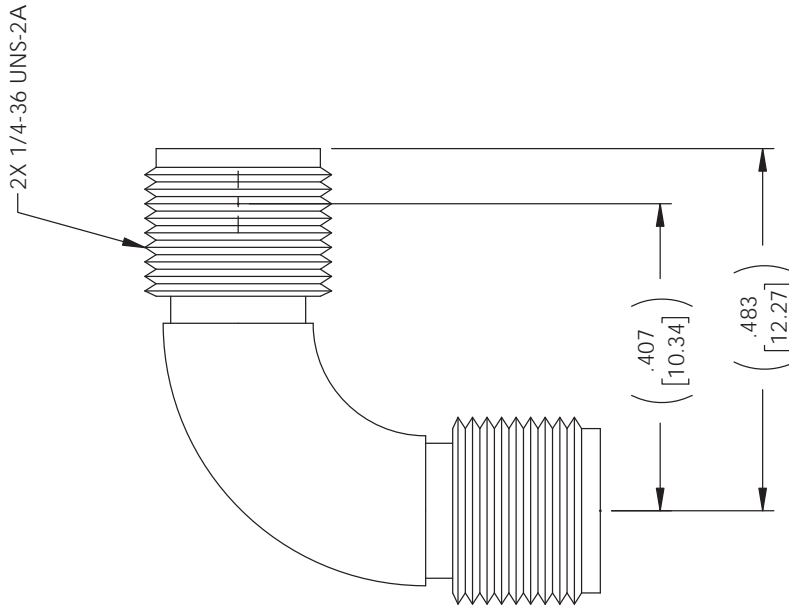
URL: <https://www.pasternack.com/sma-female-sma-female-radius-right-angle-adapter-pe91494-p.aspx>

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.

# PE91494 CAD Drawing

## SMA Female to SMA Female Radius Right Angle Passivated Stainless Steel Adapter

REVISIONS			
REV.	DESCRIPTION	DATE	APPROVED
A	INITIAL RELEASE	01/15/2021	SELLIS



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

TOLERANCES:  
 X = +.2 [5.08]      FRACTIONS  
 XX = +.02 [ .51 ]      +.132  
 .XXX = ±.005 [ .13 ]      ANGLES ± 1°

CABLE LENGTH (L) TOLERANCES:  
 L ≤ 12 [305] = +1 [25] / -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.

**PE PASTERNAK**  
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THIRD-ANGLE PROJECTION

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SHEET 1 OF 1

SCALE N/A

REV A

SIZE A    CAGE CODE 53919    DRAWN BY DFRISIELLO    ITEM NO. PE91494

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