

## Precision SMA Female to SMA Female Adapter, 18 Ghz



### PE9695

#### Configuration

- SMA Female Connector 1
- SMA Female Connector 2
- 50 Ohms Impedance

- Precision Design
- Straight Body Geometry

#### Features

- Max VSWR of 1.15:1 up to 18 GHz
- SMA interface compliant with MIL-STD-348

- Gold Plated Beryllium Copper Contact

#### Applications

- General Purpose Test
- Precision Test & Measurement

#### Description

Pasternack's PE9695 SMA female to SMA 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 SMA adapter has a female to female gender configuration in a precision design. PE9695 SMA female to SMA female adapter operates to 18 GHz. The Pasternack RF adapter provides excellent VSWR of 1.15:1 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		Ohms
VSWR			1.15:1	

#### Mechanical Specifications

##### Size

Length	0.59 in [14.99 mm]
Width	0.28 in [7.11 mm]
Weight	0.01 lbs [3.40 g]

Description	Connector 1	Connector 2
Polarity	Standard	Standard
Interface Specification	MIL-STD-348	MIL-STD-348

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Material Specifications

Description	Connector 1		Connector 2	
	Material	Plating	Material	Plating
Type	SMA Female		SMA Female	
Contact	Beryllium Copper	Gold	Beryllium Copper	Gold
Outer Conductor	Passivated Stainless Steel		Passivated Stainless Steel	

Environmental Specifications

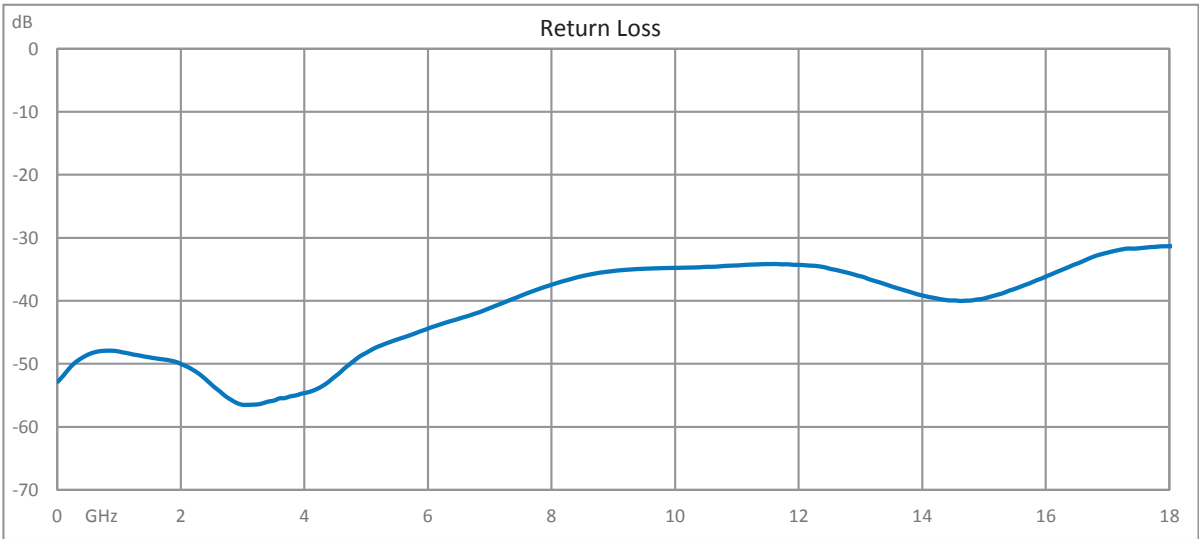
Temperature

Operating Range -65 to +125 °C

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

Plotted and Other Data

Typical Performance Data



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Precision SMA Female to SMA Female Adapter, 18 Ghz 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: [Precision SMA Female to SMA Female Adapter, 18 Ghz PE9695](https://www.pasternack.com/sma-female-sma-female-straight-adapter-pe9695.html)

URL: <https://www.pasternack.com/sma-female-sma-female-straight-adapter-pe9695.html>

The information contained within 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 Enterprises reserves the right to make such changes as required. Unless otherwise stated, all specifications are nominal. Pasternack Enterprises does not make any representation or warranty regarding the suitability of the part described herein for any particular purpose, and Pasternack Enterprises does not assume liability arising out of the use of any part or document.

PE9695 CAD Drawing
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