

## Commercial Grade SMA Male to SMA Male Adapter



### PE910075

#### Configuration

- SMA Male Connector 1
- SMA Male Connector 2
- 50 Ohms Impedance
- Commercial Grade Design
- Straight Body Geometry

#### Features

- Max VSWR of 1.2:1 up to 18 GHz
- Gold over Nickel over Copper Plated Brass Contact

#### Applications

- General Purpose Test

#### Description

Pasternack's PE910075 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 in a commercial grade design. PE910075 SMA male to SMA male 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
Impedance		50		Ohms
VSWR			1.2:1	
Operating Voltage (DC)			500	Vdc
Dielectric Withstanding Voltage (AC)			1,000	Vrms

#### Mechanical Specifications

##### Size

Length	0.76 in [19.30 mm]
Width	0.31 in [7.87 mm]
Height	0.31 in [7.87 mm]
Weight	0.02 lbs [9.07 g]

Description	Connector 1	Connector 2
Polarity	Standard	Standard

Mechanical Specification Notes:

Plating for body and center pin includes 20 microinches Cu under Au and Ni layers.

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### Material Specifications

Description	Connector 1		Connector 2	
	Material	Plating	Material	Plating
Type	SMA Male		SMA Male	
Contact	Brass	Gold over Nickel over Copper Au 20μ" min over Ni 120μ" min over Cu 20μ" min	Brass	Gold over Nickel over Copper Au 20μ" min over Ni 120μ" min over Cu 20μ" min
Insulation	PTFE		PTFE	
Outer Conductor	Brass	Gold over Nickel over Copper Au 2μ" min over Ni 120μ" min over Cu 20μ" min	Brass	Gold over Nickel over Copper Au 2μ" min over Ni 120μ" min over Cu 20μ" min
Body	Brass	Gold over Nickel over Copper Au 2μ" min over Ni 120μ" min over Cu 20μ" min	Brass	Gold over Nickel over Copper Au 2μ" min over Ni 120μ" min over Cu 20μ" min
Coupling Nut	Brass	Gold over Nickel over Copper Au 2μ" min over Ni 120μ" min over Cu 20μ" min	Brass	Gold over Nickel over Copper Au 2μ" min over Ni 120μ" min over Cu 20μ" min

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

Commercial Grade 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: [Commercial Grade SMA Male to SMA Male Adapter PE910075](#)

URL: <https://www.pasternack.com/commercial-grade-sma-male-to-sma-male-adapter-pe910075.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.

PE910075 CAD Drawing
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