

## SMA Male to N Male Adapter



### PE910035

#### Configuration

- SMA Male Connector 1
- N Male Connector 2

- 50 Ohms Impedance
- Straight Body Geometry

#### Features

- SMA interface compliant with MIL-STD-348B
- Type N interface compliant with MIL-STD-348B

- Gold over Nickel over Copper Plated Beryllium Copper Contact

#### Applications

- Allows Connection Between Series
- General Purpose Test

#### Description

Pasternack's PE910035 SMA male to type N 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 type N adapter has a male to male gender configuration built of durable stainless steel. PE910035 SMA male to type N male adapter operates to 18 GHz.

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		
Insertion Loss			0.169	dB
Operating Voltage (AC)			500	Vrms
Dielectric Withstanding Voltage (AC)			1,500	Vrms
Insulation Resistance	5,000			MOhms

#### Mechanical Specifications

##### Size

Length	1.71 in [43.51 mm]
Width	0.75 in [19.00 mm]
Height	0.75 in [19.00 mm]
Weight	0.06 lbs [27.22 g]

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

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Description	Connector 1	Connector 2
Mating Cycles, Min	500	500
Mating Torque	7 to 9.5 in-lbs 0.79 to 1.07 Nm	6 to 10 in-lbs 0.68 to 1.13 Nm
Contact Retention Force, Min	60.7 lbs [27.53 kg]	101.2 lbs [45.9 kg]
Contact Captivation Axial Force, Min	6.1 lbs [2.77 kg]	6.3 lbs [2.86 kg]
Coupling Proof Torque	15 in-lbs [1.7 Nm]	15 in-lbs [1.7 Nm]

### Material Specifications

Description	Connector 1		Connector 2	
	Material	Plating	Material	Plating
Type	SMA Male		N Male	
Contact	Beryllium Copper	Gold over Nickel over Copper	Beryllium Copper	Gold over Nickel over Copper
Insulation	PPO		PTFE	
Body	Stainless Steel	Passivated	Stainless Steel	Passivated
Gasket	Silicone			
Coupling Nut	Beryllium Copper	Gold over Nickel over Copper	Beryllium Copper	Gold over Nickel over Copper

### Environmental Specifications

#### Temperature

Operating Range	-55 to +105 °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

SMA Male to N 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 N Male Adapter PE910035](#)

URL: <https://www.pasternack.com/sma-male-to-n-male-adapter-pe910035.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.

# PE910035 CAD Drawing

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