

## Commercial Grade RP-SMA Female to RP-SMA Female Adapter



### PE910103

#### Configuration

- SMA Female Reverse Polarity Connector 1
- SMA Female Reverse Polarity Connector 2
- 50 Ohms Impedance
- Commercial Grade Design
- Straight Body Geometry

#### Features

- Max VSWR of 1.35:1 up to 6 GHz
- Gold Plated Brass Contact
- Provides In-Series Reverse Polarity SMA to Reverse Polarity SMA Connections
- Operates to 4 GHz
- Max VSWR of 1.35:1
- Gold Plated Center Contacts

#### Applications

- General Purpose Test
- Part 15 Reverse Polarity System Interconnect
- General Purpose Lab
- Test and Measurement Applications

#### Description

Pasternack's PE910103 RP SMA female to RP SMA female adapter is part of our full line of RF components available for same-day shipping. Our reverse polarity SMA to reverse polarity SMA adapter has a female to female gender configuration in a commercial grade design. PE910103 reverse polarity SMA female to reverse polarity SMA female adapter is gold plated and operates to 6 GHz. The Pasternack RF adapter provides good VSWR of 1.35:1 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		6	GHz
Impedance		50		Ohms
VSWR			1.35:1	

#### Mechanical Specifications

##### Size

Length	0.60 in [15.24 mm]
Width	0.69 in [17.53 mm]
Height	0.69 in [17.53 mm]
Weight	0.01 lbs [2.27 g]

Description	Connector 1	Connector 2
Polarity	Reverse Polarity	Reverse Polarity

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### Material Specifications

Description	Connector 1		Connector 2	
	Material	Plating	Material	Plating
Type	SMA Female Reverse		SMA Female Reverse	
	Polarity		Polarity	
Contact	Brass	Gold	Brass	Gold
Insulation	PTFE		PTFE	
Outer Conductor	Brass	Gold	Brass	Gold
Body	Brass	Gold	Brass	Gold

### Environmental Specifications

#### Temperature

Operating Range -65 to +165 °C

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

### Plotted and Other Data

Commercial Grade RP-SMA Female to RP-SMA Female 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 RP-SMA Female to RP-SMA Female Adapter PE910103](#)

URL: <https://www.pasternack.com/commercial-grade-rp-sma-female-to-rp-sma-female-adapter-pe910103.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.

PE910103 CAD Drawing
Commercial Grade RP-SMA Female to RP-SMA Female Adapter

