



## Isolated Ground SMA Female to SMA Female Bulkhead Mount Adapter, with Plastic Isolator

### RF Adapters Technical Data Sheet

PE9067

#### Configuration

- SMA Female Connector 1
- SMA Female Connector 2
- 50 Ohm
- Straight Body Geometry
- Bulkhead Mount Method

#### Features

- Max VSWR of 1.25:1 up to 12.4 GHz
- Isolated Ground
- SMA interface compliant with MIL-STD-348
- Contact plating according to MIL-G-45204
- Gold over Nickel Plated Beryllium Copper Contact
- Isolated Ground
- Interface IAW MIL-STD 348
- Gold over Nickel Plated Beryllium Copper Contact

#### Applications

- General Purpose Test
- Rack Mounted Equipment
- General Purpose Test
- Rack Mounted Equipment

#### Description

Pasternack's PE9067 isolated ground SMA female to SMA female bulkhead 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. PE9067 SMA female to SMA female adapter operates to 12.4 GHz. The Pasternack RF adapter provides excellent VSWR of 1.25:1 maximum. This RF SMA to SMA bulkhead adapter allows designers to create external connections on their product enclosures, and can be used in a variety of other rack mount and panel mount applications.

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		12.4	GHz
VSWR			1.25:1	
Operating Voltage (AC)			335	Vrms
Dielectric Withstanding Voltage (AC)			1,000	Vrms
Insulation Resistance	5,000			MOhms

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

Click the following link (or enter part number in "SEARCH" on website) to obtain additional part information including price, inventory and certifications: [Isolated Ground SMA Female to SMA Female Bulkhead Mount Adapter, with Plastic Isolator PE9067](#)



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### Mechanical Specifications

#### Size

Length	0.875 in [22.23 mm]
Width	0.44 in [11.18 mm]
Weight	0.0123 lbs [5.58 g]

Description	Connector 1	Connector 2
Type	SMA Female	SMA Female
Polarity	Standard	Standard
Interface Specification	MIL-STD-348	MIL-STD-348
Connector Option	Isolated Ground	Isolated Ground

### Material Specifications

Description	Connector 1		Connector 2	
	Material	Plating	Material	Plating
Type	SMA Female		SMA Female	
Contact	Beryllium Copper	Gold over Nickel MIL-G-45204	Beryllium Copper	Gold over Nickel MIL-G-45204
Insulation	PTFE		PTFE	
Outer Conductor	Brass	Nickel QQ-N-290	Brass	Nickel QQ-N-290
Coupling Nut			Brass	Nickel QQ-N-290

### Environmental Specifications

#### Temperature

Operating Range	-65 to +165 deg C
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### Compliance Certifications (see [product page](#) for current document)

### Plotted and Other Data

Notes:

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Isolated Ground SMA Female to SMA Female Bulkhead Mount Adapter, with Plastic Isolator 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: [Isolated Ground SMA Female to SMA Female Bulkhead Mount Adapter, with Plastic Isolator PE9067](https://www.pasternack.com/sma-female-sma-female-straight-adapter-pe9067-p.aspx)

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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.

