



SMC Jack to SMC Jack Bulkhead Adapter

RF Adapters Technical Data Sheet

PE9121

Configuration

- SMC Jack Connector 1
- SMC Jack Connector 2
- 50 Ohms
- Straight Body Geometry
- Bulkhead Mount Method

Features

- Max VSWR of 1.3:1 up to 6 GHz
- SMC Interface compliant with MIL-STD-348A
- Gold Plated Brass Contact
- 30 µ-in min Gold Contact Plating

Applications

- General Purpose Test
- Rack Mounted Equipment

Description

Pasternack's PE9121 SMC jack to SMC jack bulkhead adapter is part of our full line of RF components available for same-day shipping. Our SMC to SMC adapter has a jack to jack gender configuration. PE9121 SMC jack to SMC jack adapter operates to 10 GHz. This RF SMC to SMC 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		10	GHz
Operating Voltage (AC)			335	Vrms
Dielectric Withstanding Voltage (AC)			1,000	Vrms

Performance by Frequency

Description	F1	F2	F3	F4	F5	Units
Frequency Range	DC to 6					GHz
VSWR, Max	1.3:1					

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: [SMC Jack to SMC Jack Bulkhead Adapter PE9121](#)



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Mechanical Specifications

Size

Length	0.69 in [17.53 mm]
Width	0.25 in [6.35 mm]
Weight	0.006 lbs [2.72 g]

Description	Connector 1	Connector 2
Type	SMC Jack	SMC Jack
Polarity	Standard	Standard
Interface Specification	MIL-STD-348A	MIL-STD-348A

Material Specifications

Description	Connector 1		Connector 2	
	Material	Plating	Material	Plating
Type	SMC Jack		SMC Jack	
Contact	Brass	Gold 30 µ-in minimum	Brass	Gold 30 µ-in minimum
Insulation	PTFE		PTFE	
Outer Conductor	Brass	Nickel 100 µ-in minimum	Brass	Nickel 100 µ-in minimum

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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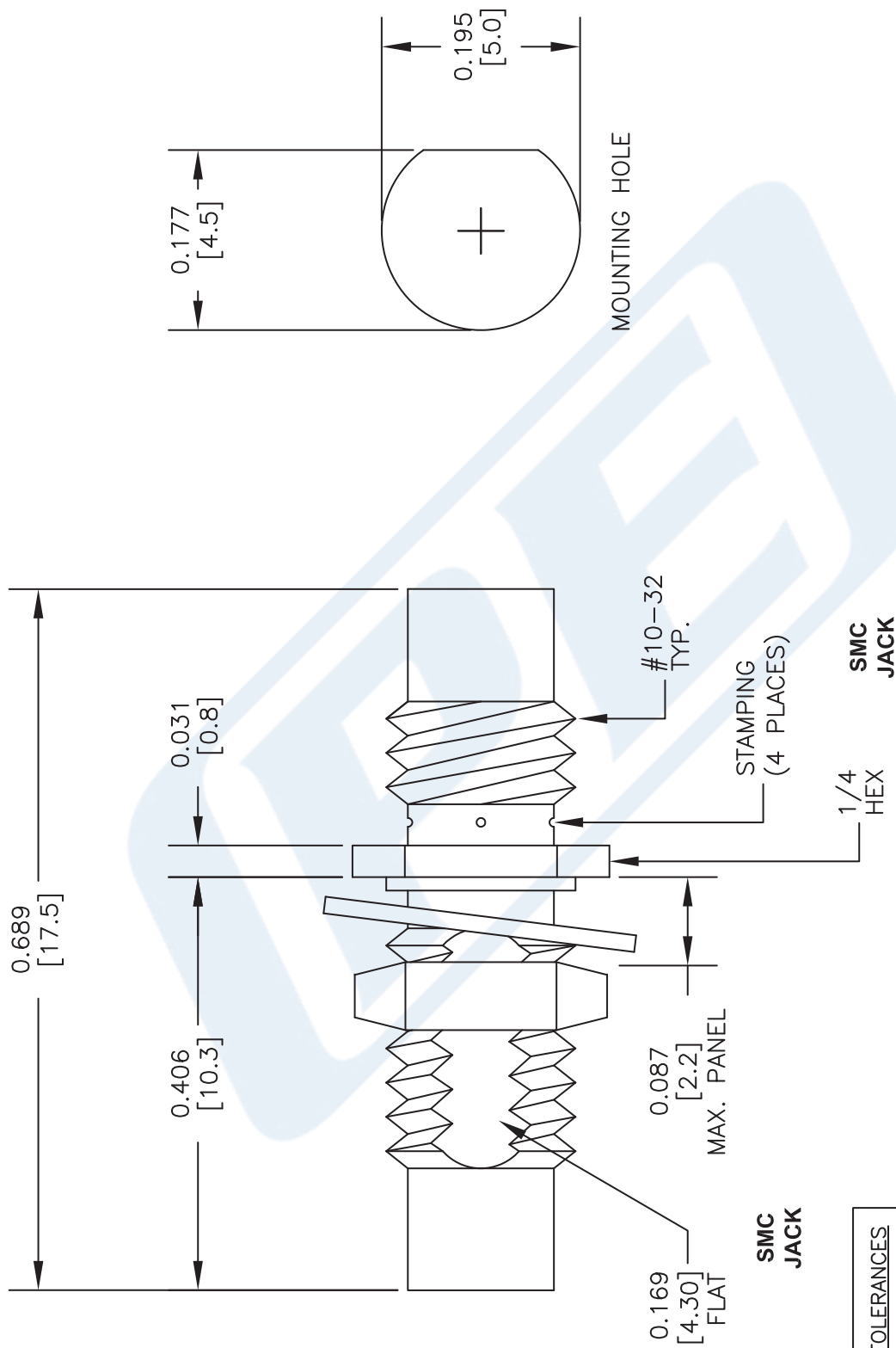
SMC Jack to SMC Jack Bulkhead Adapter from Pasternack Enterprises has same day shipment for domestic and International orders. Our RF, microwave and millimeter wave products maintain a 99% availability and are part of the broadest selection in the industry.

Click the following link (or enter part number in "SEARCH" on website) to obtain additional part information including price, inventory and certifications: [SMC Jack to SMC Jack Bulkhead Adapter PE9121](https://www.pasternack.com/smc-jack-smc-jack-straight-adapter-pe9121-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.

PE9121 CAD Drawing
SMC Jack to SMC Jack Bulkhead Adapter



STANDARD TOLERANCES	
.X	±0.2
.XX	±0.1
.XXX	±0.05

*STANDARD TOLERANCES APPLY
ONLY TO DIMENSIONS IN INCHES

PE PASTERNAK
THE ENGINEER'S RF SOURCE

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DWG TITLE

PE9121

NOTES:
1. UNLESS OTHERWISE SPECIFIED ALL DIMENSIONS ARE NOMINAL.
2. ALL SPECIFICATIONS ARE SUBJECT TO CHANGE WITHOUT NOTICE AT ANY TIME.
3. DIMENSIONS ARE IN INCHES [mm].

FSCM NO. 53919

CAD FILE 022216

SCALE N/A

SIZE A

3045