SMB Tee Adapter Jack-Plug-Jack

RF Adapters Technical Data Sheet
PE9243

Configuration

- SMB Jack Connector 1
- SMB Plug Connector 2
- 50 Ohm
- Tee Body Geometry

Features

- SMB interface compliant with MIL-STD-348A
- 30 µin minimum contact plating
- Gold Plated Contact

Applications

- General Purpose Test

Description

Pasternack's PE9243 SMB Tee adapter jack-plug-jack is part of our full line of RF components available for same-day shipping. Our SMB tee adapter has a jack-plug-jack gender configuration. Our SMB tee connector operates to 100 MHz. Tee adapters (also called tee connectors) are three port devices that can be used to split or combine a signal. Unlike power dividers/combiners, however, they do not provide matched impedance at all ports.

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		100	MHz
VSWR		2.1:1		
Operating Voltage (AC)			335	Vrms

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

Mechanical Specifications

Size

Length	0.795 in [20.19 mm]
Width	0.256 in [6.5 mm]
Height	0.555 in [14.1 mm]
Weight	0.006 lbs [2.72 g]

Click the following link (or enter part number in "SEARCH" on website) to obtain additional part information including price, inventory and certifications: SMB Tee Adapter Jack-Plug-Jack PE9243

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

Material Specifications

| Description | Connector 1 | | Connector 2 | |
	Material	Plating	Material	Plating
Type	SMB Jack		SMB Plug	
Contact	Beryllium Copper	Gold	Beryllium Copper	Gold
		30 µin minimum		30 µin minimum
Insulation	PTFE		PTFE	
Outer Conductor	Brass	Nickel		
		100 µin minimum		
Body			Brass	Nickel
				100 µin minimum

Environmental Specifications
Temperature
Operating Range   -65 to +165 deg C

Compliance Certifications (see product page for current document)

Plotted and Other Data
Notes:

Click the following link (or enter part number in "SEARCH" on website) to obtain additional part information including price, inventory and certifications: SMB Tee Adapter Jack-Plug-Jack PE9243

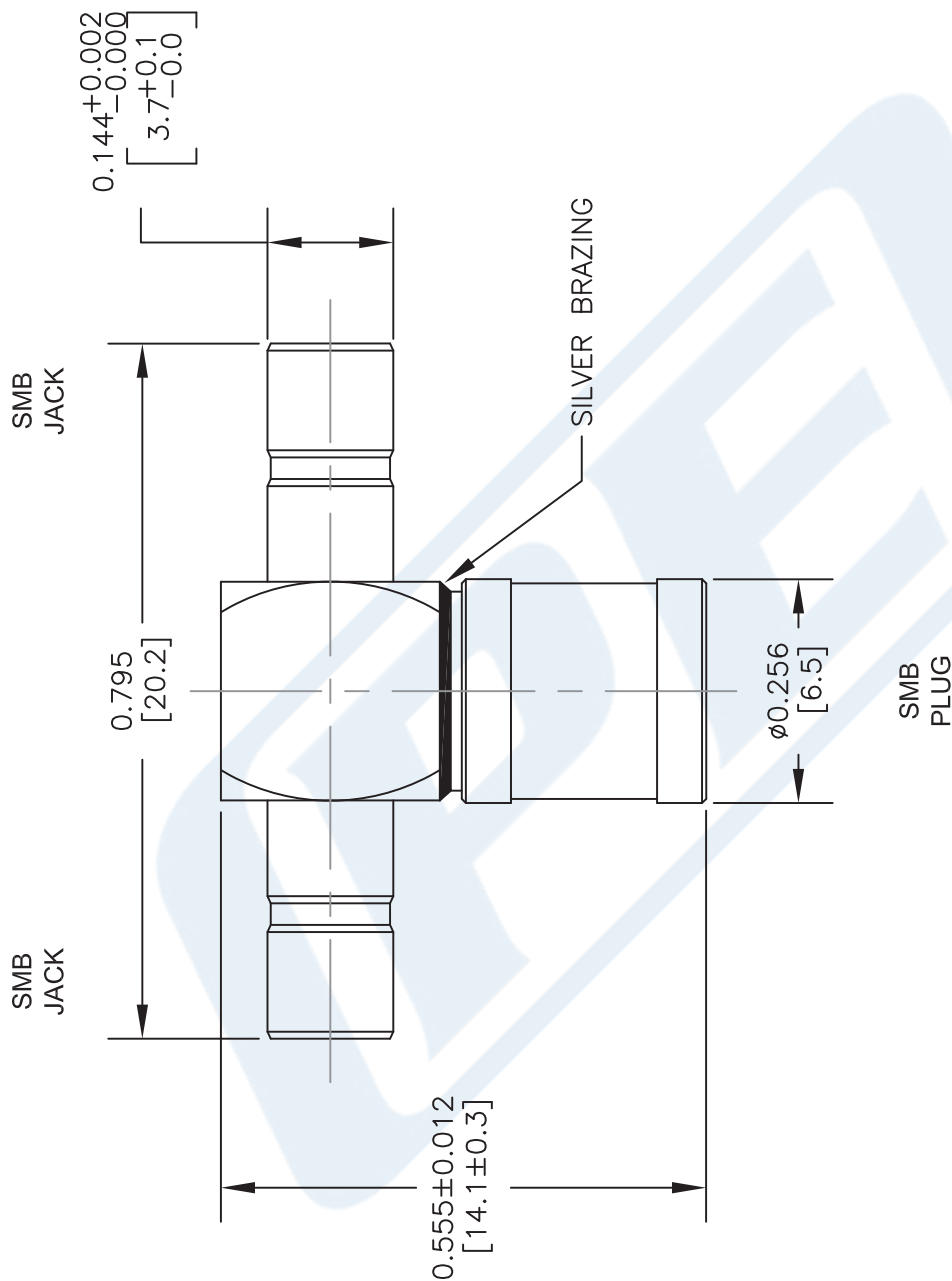# RF Adapters Technical Data Sheet   PE9243

SMB Tee Adapter Jack-Plug-Jack 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: SMB Tee Adapter Jack-Plug-Jack PE9243

URL: https://www.pasternack.com/smb-jack-plug-jack-tee-adapter-pe9243-p.aspx

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.

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PE9243 CAD Drawing
SMB Tee Adapter Jack-Plug-Jack

SMB JACK

SMB JACK

SMB PLUG

SILVER BRAZING

0.144 +0.002 −0.000 [3.7 +0.1 −0.0]

0.795 [20.2]

Ø0.256 [6.5]

0.555±0.012 [14.1±0.3]

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

*STANDARD TOLERANCES APPLY
ONLY TO DIMENSIONS IN INCHES

PE9243 REV 1.2

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