PASTERNACK
an INFINITE brand

SHV Tee Adapter Jack-Plug-Jack

RF Adapters Technical Data Sheet PE9249

Configuration

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

Features

- Max VSWR of 1.2:1 up to 300 MHz
- SHV interface compliant with MIL-STD-348
- Contact plating according to QQ-S-365
- Silver Plated Beryllium Copper Contact

Applications

- General Purpose Test

Description

Pasternack's PE9249 SHV Tee adapter jack-plug-jack is part of our full line of RF components available for same-day shipping. Our SHV tee adapter has a jack-plug-jack gender configuration. Our SHV tee connector operates to 300 MHz. The Pasternack RF adapter provides excellent VSWR of 1.2:1 maximum. 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		300	MHz
VSWR			1.2:1	
Operating Voltage (AC)			3,500	Vrms
Dielectric Withstanding Voltage (AC)			5,000	Vrms

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

Mechanical Specifications

Size

Length	1.71 in [43.48 mm]
Width	1.37 in [34.85 mm]
Height	0.57 in [14.48 mm]
Weight	0.05 lbs [22.23 g]

Click the following link (or enter part number in "SEARCH" on website) to obtain additional part information including price, inventory and certifications: SHV Tee Adapter Jack-Plug-Jack PE9249

Pasternack Enterprises, Inc. • P.O. Box 16759, Irvine, CA 92623
Phone: (866) 727-8376 or (949) 261-1920 • **Fax:** (949) 261-7451
Sales@Pasternack.com • Techsupport@Pasternack.com

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

Material Specifications

	Connector 1		Connector 2	
Description	Material	Plating	Material	Plating
Type	SHV Jack		SHV Plug	
Contact	Beryllium Copper	Silver QQ-S-365	Beryllium Copper	Silver QQ-S-365
Insulation	PTFE		PTFE	
Outer Conductor	Brass	Nickel QQ-N-290		
Body			Brass	Nickel QQ-N-290
Coupling Nut			Brass	Nickel QQ-N-290

Environmental Specifications

Temperature

Operating Range -65 to +165 ºC

Compliance Certifications (see product page for current document)

Plotted and Other Data

Notes:

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SHV 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 99.4% 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: SHV Tee Adapter Jack-Plug-Jack PE9249

URL: https://www.pasternack.com/shv-jack-plug-jack-tee-adapter-pe9249-p.aspx

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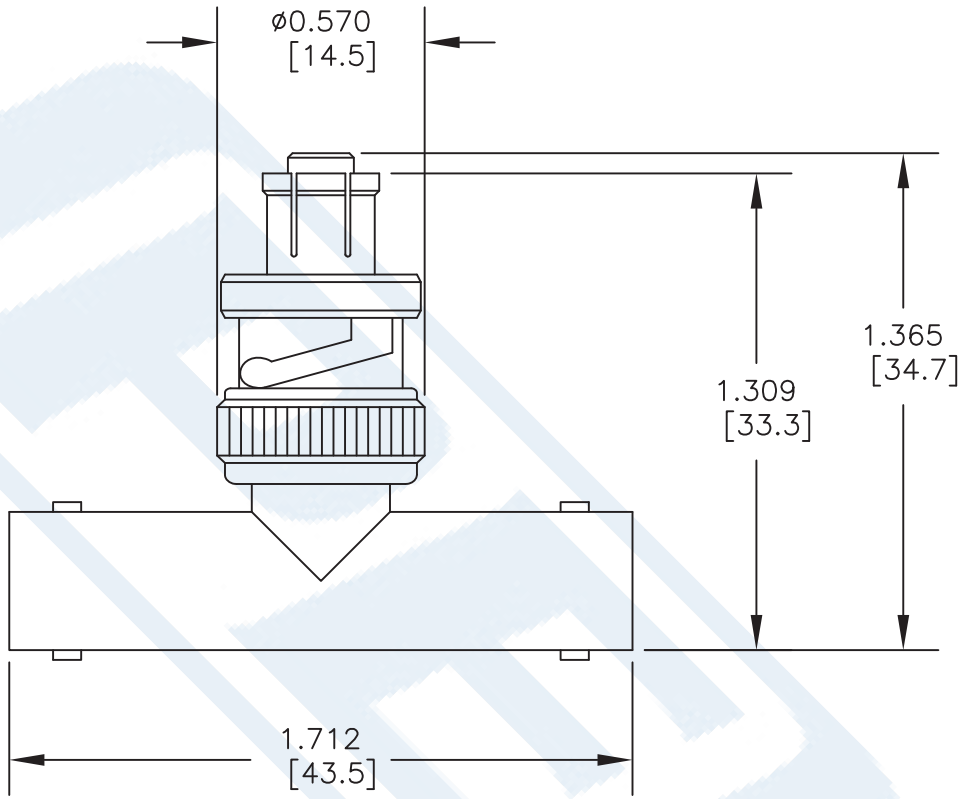
SHV
PLUG



SHV
JACK

SHV
JACK

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

*STANDARD TOLERANCES APPLY ONLY TO DIMENSIONS IN INCHES

PASTERNACK
THE ENGINEER'S RF SOURCE
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DWG TITLE

PE9249

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 102816	SCALE N/A	SIZE A	41742

PE9249 CAD Drawing
SHV Tee Adapter Jack-Plug-Jack

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