



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](#)



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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

Description	Connector 1		Connector 2	
	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 °C

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.

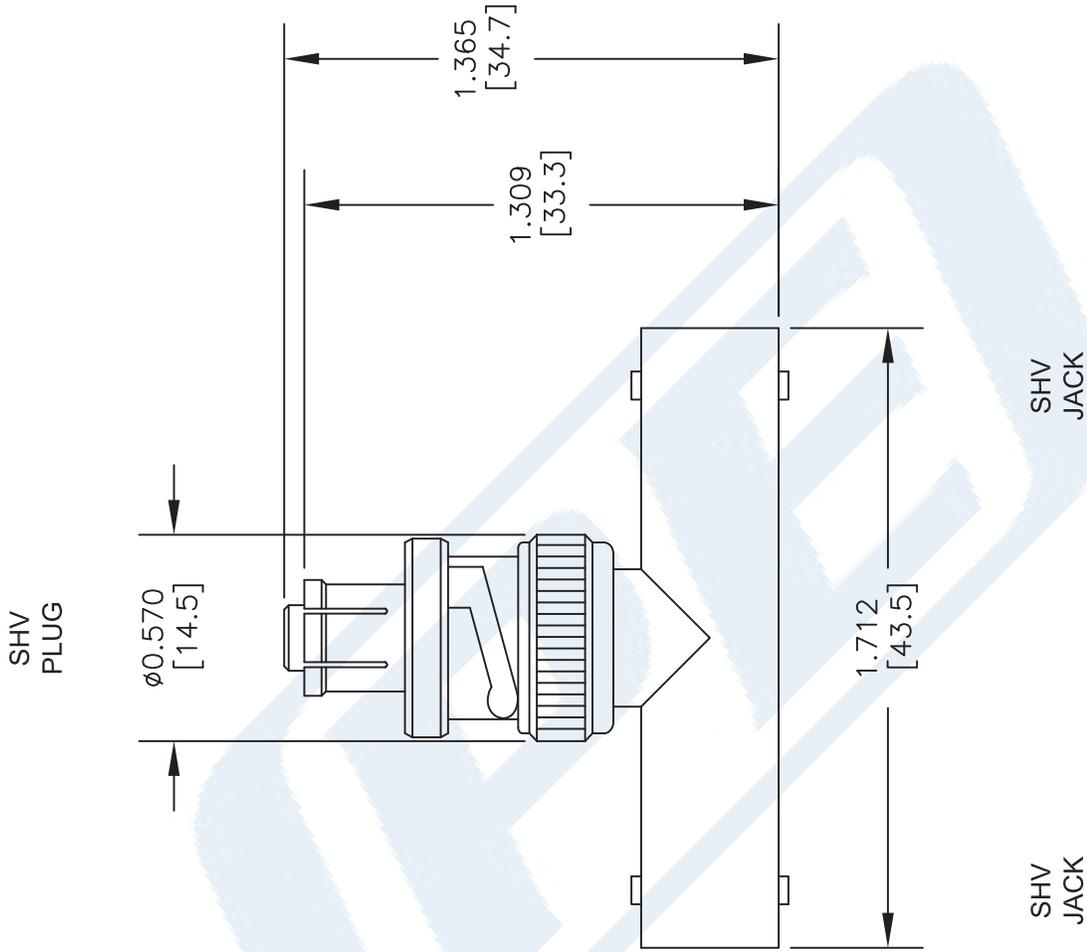
Click the following link (or enter part number in "SEARCH" on website) to obtain additional part information including price, inventory and certifications: [SHV Tee Adapter Jack-Plug-Jack PE9249](#)

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

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.

PE9249 CAD Drawing

SHV Tee Adapter Jack-Plug-Jack



STANDARD TOLERANCES

.X ±0.2
 .XX ±0.1
 .XXX ±0.05

*STANDARD TOLERANCES APPLY
 ONLY TO DIMENSIONS IN INCHES



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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