

SHV T Adapter Female (Jack)-Female (Jack)-Male (Plug)

FMAD10127



Configuration

- SHV Female Connector 1
 - SHV Female Connector 2
 - SHV Male Connector 3
- 50 Ohms Impedance
 - Tee Body Geometry

Features

- VSWR of 2:1
- Gold over Nickel over Copper Plated Brass Contact

Applications

- General Purpose Test

Description

SHV T adapter female-female-male part number FMAD10127 from Fairview Microwave is in-stock and ships same day. This Fairview SHV T adapter has a female-female-male gender configuration. Our SHV T connector. The Fairview Microwave RF adapter provides good VSWR of 2:1 maximum.

RF adapters can be used to enable connections between two connector types that would otherwise not mate. Certain RF adapter configurations can also be used to protect connectors on expensive equipment where the number of connect and 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. Fairview Microwave 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
Impedance		50		Ohms
VSWR			2:1	
Operating Voltage (AC)			3,500	Vrms
Dielectric Withstanding Voltage (AC)			5,000	Vrms
Inner Conductor DC Resistance			2	mOhms
Outer Conductor DC Resistance			1.5	mOhms
Insulation Resistance	5,000			MOhms

Electrical Specification Notes:
Dielectric Withstanding Voltage (at sea level)
Working Voltage (at sea level)

Mechanical Specifications

Size

Length	2.17 in [55.19 mm]
Width	0.43 in [11.00 mm]
Height	1.22 in [30.99 mm]
Weight	0.10 lbs [45.36 g]

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Description	Connector 1	Connector 2
Polarity	Standard	Standard
Mating Cycles, Min	500	500
Mating Torque	0.6 to 2.5 in-lbs 0.07 to 0.28 Nm	0.6 to 2.5 in-lbs 0.07 to 0.28 Nm
Contact Retention Force, Min	101.2 lbs [45.9 kg]	101.2 lbs [45.9 kg]
Contact Captivation Axial Force, Min	6.1 lbs [2.77 kg]	6.1 lbs [2.77 kg]

Material Specifications

Description	Connector 1		Connector 2	
	Material	Plating	Material	Plating
Type	SHV Female		SHV Female	
Contact	Brass	Gold over Nickel over Copper	Brass	Gold over Nickel over Copper
Insulation	PTFE		PTFE	
Outer Conductor	Brass	Copper-Tin-Zinc Alloy	Brass	Copper-Tin-Zinc Alloy
Body	Brass	Copper-Tin-Zinc Alloy	Brass	Copper-Tin-Zinc Alloy
Gasket	Silicone		Silicone	
Washer	Brass		Brass	

Environmental Specifications

Temperature

Operating Range

-65 to +165 °C

Humidity

MIL-STD-202, Method 103, Condition B

Thermal Shock

MIL-STD-202, Method 107, Condition B

Salt Spray

MIL-STD-202, Method 101, Condition B

Compliance Certifications (see [product page](#) for current document)

Plotted and Other Data

SHV T Adapter Female (Jack)-Female (Jack)-Male (Plug) from Fairview Microwave is in-stock and available to ship same-day. All of our RF/microwave products are available off-the-shelf from our ISO 9001:2008 certified facilities in Lewisville, Texas. Fairview Microwave is RF on-demand.

For additional information on this product, please click the following link: [SHV T Adapter Female \(Jack\)-Female \(Jack\)-Male \(Plug\) FMAD10127](#)

URL: <https://www.fairviewmicrowave.com/product/rf-adapters/shv-t-adapter-female-female-male-fmad10127.html>

The information contained within 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. Fairview Microwave reserves the right to make such changes as required. Unless otherwise stated, all specifications are nominal. Fairview Microwave does not make any representation or warranty regarding the suitability of the part described herein for any particular purpose, and Fairview Microwave does not assume liability arising out of the use of any part or document.

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