SHV Male (Plug) to SHV Male (Plug) Adapter MIL-STD-202, Method 206

FMAD10126

Configuration

- SHV Male Connector 1
- SHV Male Connector 2
- 50 Ohms Impedance
- Straight Body Geometry

Features

- VSWR of 1.2:1 max up to 300 MHz
- Gold over Nickel over Copper Plated Brass Contact

Applications

- General Purpose Test

Description

SHV male to SHV male adapter part number FMAD10126 from Fairview Microwave is in-stock and ships same day. This Fairview SHV to SHV adapter has a male to male gender configuration. FMAD10126 SHV male to SHV male adapter operates to 300 MHz. The Fairview Microwave RF adapter provides excellent VSWR of 1.2:1 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
Frequency Range	DC		300	MHz
Impedance		50		Ohms
VSWR			1.2:1	
Operating Voltage (AC)			3,500	Vrms
Dielectric Withstanding Voltage (AC)			5,000	Vrms
Insulation Resistance	5,000			MOhms

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

Mechanical Specifications

Size

Length	2.08 in [52.91 mm]
Width	0.59 in [14.91 mm]
Height	0.59 in [14.91 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 Captivation Axial Force, Min	6.1 lbs [2.77 kg]	6.1 lbs [2.77 kg]
Coupling Retention, Min	101.2 lbs [45.9 kg]	101.2 lbs [45.9 kg]

Material Specifications

	Connector 1		Connector 2	
Description	Material	Plating	Material	Plating
Type	SHV Male		SHV Male	
Contact	Brass	Gold over Nickel over Copper	Brass	Gold over Nickel over Copper
Insulation	PTFE		PTFE	
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 ºC
Humidity	MIL-STD-202, Method 206
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 Male (Plug) to SHV Male (Plug) Adapter MIL-STD-202, Method 206 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 Male (Plug) to SHV Male (Plug) Adapter MIL-STD-202, Method 206 FMAD10126

URL: https://www.fairviewmicrowave.com/product/rf-adapters/shv-male-to-shv-male-adapter-mil-std-202-method-206-fmad10126.html

FMAD10126 CAD Drawing

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