

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

### FMAD10125



#### Configuration

- MHV Male Connector 1
- MHV 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

MHV male to MHV male adapter part number FMAD10125 from Fairview Microwave is in-stock and ships same day. This Fairview MHV to MHV adapter has a male to male gender configuration. FMAD10125 MHV male to MHV 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)			1,600	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	1.38 in [34.98 mm]
Width	0.57 in [14.48 mm]
Height	0.57 in [14.48 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

Description	Connector 1		Connector 2	
	Material	Plating	Material	Plating
Type	MHV Male		MHV Male	
Contact	Brass	Gold over Nickel over Copper	Brass	Gold over Nickel over Copper
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 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

MHV Male (Plug) to MHV 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: [MHV Male \(Plug\) to MHV Male \(Plug\) Adapter MIL-STD-202, Method 206 FMAD10125](#)

URL: <https://www.fairviewmicrowave.com/product/rf-adapters/mhv-male-to-mhv-male-adapter-mil-std-202-method-206-fmad10125.html>

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FMAD10125 CAD Drawing
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