

## RA MHV Male to MHV Female Adapter

RA MHV male to MHV female adapter part number SM3862 from Fairview Microwave is in-stock and ships same day. This Fairview MHV to MHV adapter has a male to female gender configuration. SM3862 MHV male to MHV female adapter operates to 50 MHz. This right angle MHV adapter allows for easier connections in tight spaces.

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	Min	Typ	Max	Units
Frequency Range	DC		50	MHz
Operating Voltage (AC)			3,500	Vrms
Operating Voltage (DC)			5,000	Vdc
DWV (AC)			5,000	Vrms

### Mechanical Specifications

Size	
Length	1.1 in [27.4 mm]
Width	0.56 in [14.22 mm]
Height	0.84 in [21.34 mm]
Weight	0.051 lbs [23.13 g]

Description	Connector 1	Connector 2
Type	MHV Male	MHV Female
Polarity	Standard	Standard
Interface Specification	MIL-STD-384	MIL-STD-384



### Configuration:

- MHV Male Connector 1
- MHV Female Connector 2
- 50 Ohm
- Right Angle Body Geometry

### Features:

- MHV interface meets MIL-STD-384
- Contact plating according to QQ-S-365
- Silver Plated Beryllium Copper Contact

### Applications:

- General Purpose Test

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## Material Specifications

Description	Connector 1	Connector 2
Type	MHV Male	MHV Female
Contact Material	Beryllium Copper	Beryllium Copper
Contact Plating	Silver	Silver
Contact Plating Spec.	QQ-S-365	QQ-S-365
Insulation Material	PTFE	PTFE
Outer Contact Material		Brass
Outer Contact Plating		Nickel
Outer Conductor Contact Spec.		QQ-N-290
Body Material	Brass	Brass
Body Plating	Nickel	Nickel
Body Plating Spec.	QQ-N-290	QQ-N-290
Coupling Nut Material	Brass	
Coupling Nut Plating	Nickel	
Coupling Nut Plating Spec.	QQ-N-290	

## Environmental Specifications

### Temperature

Operating Range

-65 to +165 deg C

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

## Plotted and Other Data

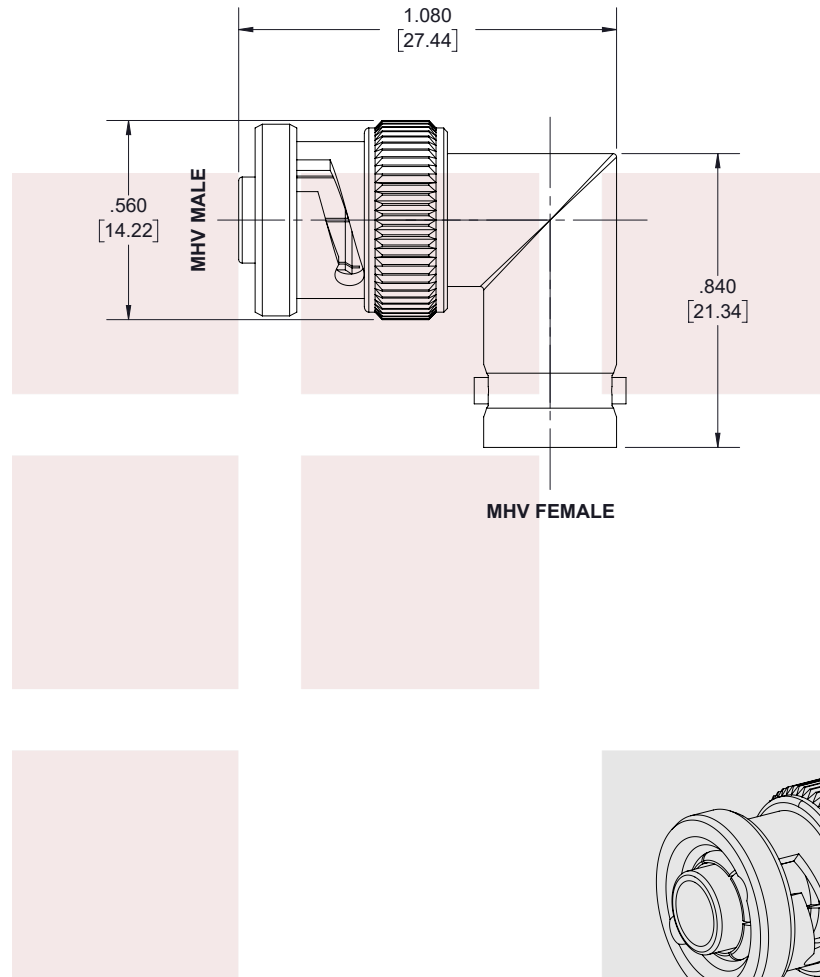
Notes:

RA MHV Male to MHV Female Adapter 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 Allen, Texas. Fairview Microwave is RF on-demand.

For additional information on this product, please click the following link: [RA MHV Male to MHV Female Adapter SM3862](#)

URL: <https://www.fairviewmicrowave.com/ra-mhv-male-mhv-female-adapter-sm3862-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. 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 any liability arising out of the use of any part or documentation.



**STANDARD TOLERANCES**

.X ±0.2  
.XX ±0.01  
.XXX ±0.005

\*STANDARD TOLERANCES APPLY  
ONLY TO DIMENSIONS IN INCHES

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].

TITLE RA MHV Male to MHV Female Adapter	DWG NO SM3862		CAGE CODE 3FKR5			
	CAD FILE 07/15/19	SHEET 1 OF 1	SCALE N/A	SIZE A	7361	