

MHV Male Connector Clamp/Solder Attachment for RG58, RG55, RG141, RG142, RG223, RG400, RG303, LMR-195 Cable

FMCN45910 MHV male coax connector has an interface type of MHV male which is compatible with RG58, RG55, RG141, RG142, RG223, RG400, RG303 and LMR-195 cables and has a 50 Ohms impedance. Fairview Microwave's MHV male connector uses clamp/solder as an attachment method. Our male MHV coax connector operates at a minimum frequency of DC and a maximum frequency of 300 MHz.

The Fairview Microwave MHV male coax connector has a PTFE dielectric type and a VSWR of 1.3. Fairview Microwave's MHV coax connector has a brass body with nickel plating. Our FMCN45910 MHV connector uses brass contact. This bayonet RF connector can operate at temperatures ranging from -65 to +165 degrees C. Additional RF connector specs and dimensions for this component can be found on its PDF specification datasheet and CAD drawings above.

This MHV male RF connector with coax termination and 50 Ohm impedance is designed to be used with RG58, RG55, RG141, RG142, RG223, RG400, RG303 and LMR-195 cables. Our high-quality FMCN45910 connector features a 100 µin minimum body plating specification. This MHV connector has a gold inner contact plating. Fairview Microwave's MHV male connector has a maximum operating voltage of 1400 Vrms.

This Fairview Microwave male MHV connector will ship the same business day as purchased. Our MHV male connector is part of over 40,000 RF, microwave, and millimeter wave components in stock for worldwide shipment. For further information on similar products, our expert technical support and trained sales team can get you the ideal RF connector as per your requirements.

Electrical Specifications

| Description | Min | Typ | Max | Units |
|------------------------|-----|-----|-------|-------|
| Frequency Range | DC | | 300 | MHz |
| VSWR | | | 1.3:1 | |
| Operating Voltage (AC) | | | 1,400 | Vrms |

Mechanical Specifications

| | |
|-------------|---------------------|
| Size | |
| Length | 1.52 in [38.61 mm] |
| Width/Dia. | 0.57 in [14.48 mm] |
| Height | 0.57 in [14.48 mm] |
| Weight | 0.053 lbs [24.04 g] |

Material Specifications

| Description | Material | Plating |
|--------------|----------|---------------------------|
| Contact | Brass | Gold 30 µin minimum |
| Insulation | PTFE | |
| Body | Brass | Nickel 100 µin minimum |
| Coupling Nut | Brass | Nickel 100 µin minimum |



Configuration:

- MHV Male Connector
- MIL-STD-348A
- 50 Ohms
- Straight Body Geometry
- RG58, RG55, RG141, RG142, RG223, RG400, RG303, LMR-195 Interface Type
- Clamp/Solder Attachment

Features:

- Operating Frequency of 300 MHz Max.
- Good VSWR of 1.3:1
- Gold Plated Brass Contact
- 30 µin minimum contact plating

Applications:

- General Purpose Test
- Custom Cable Assemblies

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Mechanical Specification Notes:

When attaching the connector to the cable use a clamp torque value of 26 to 30 in-lbs [2.94 to 3.39 Nm]

Environmental Specifications

Temperature

Operating Range -65 to +165 deg C

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

Plotted and Other Data

Notes:

MHV Male Connector Clamp/Solder Attachment for RG58, RG55, RG141, RG142, RG223, RG400, RG303, LMR-195 Cable 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 Connector Clamp/Solder Attachment for RG58, RG55, RG141, RG142, RG223, RG400, RG303, LMR-195 Cable FMCN45910](#)

URL: <https://www.fairviewmicrowave.com/mhv-male-rg58-rg55-rg141-rg142-rg223-rg400-rg303-lmr-195-connector-fmcn45910-p.aspx>

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