

## SHV Plug Connector Clamp/Solder Attachment for RG58, RG55, RG141, RG142, RG223, RG400, RG303, LMR-195 Cable

FMCN45908 SHV plug coax connector has an interface type of SHV plug which is compatible with RG58, RG55, RG141, RG142, RG223, RG400, RG303 and LMR-195 cables and has a 50 Ohms impedance. Fairview Microwave's SHV plug connector uses clamp/solder as an attachment method. Our plug SHV coax connector operates at a minimum frequency of DC and a maximum frequency of 300 MHz.

The Fairview Microwave SHV plug coax connector has a PTFE dielectric type and a VSWR of 1.3. Fairview Microwave's SHV coax connector has a brass body with nickel plating. Our FMCN45908 SHV connector uses brass contact. This threaded 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 SHV plug 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 FMCN45908 connector features a 100  $\mu$ m minimum body plating specification. This SHV connector has a gold inner contact plating. Fairview Microwave's SHV plug connector has a maximum operating voltage of 1400 Vrms.

This Fairview Microwave plug SHV connector will ship the same business day as purchased. Our SHV plug 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

Electrical Specification Notes:  
 Max Operating Voltage is limited by the cable attached.

### Mechanical Specifications

Size	
Length	1.83 in [46.48 mm]
Width/Dia.	0.57 in [14.48 mm]
Height	0.57 in [14.48 mm]
Weight	0.057 lbs [25.85 g]

### Material Specifications

Description	Material	Plating
Contact	Brass	Gold 30 $\mu$ m minimum
Insulation	PTFE	
Body	Brass	Nickel 100 $\mu$ m minimum



### Configuration:

- SHV Plug 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  $\mu$ m minimum contact plating

### Applications:

- General Purpose Test
- Custom Cable Assemblies

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Coupling Nut	Brass	Nickel 100 µin minimum
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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:

SHV Plug 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: [SHV Plug Connector Clamp/Solder Attachment for RG58, RG55, RG141, RG142, RG223, RG400, RG303, LMR-195 Cable FMCN45908](#)

URL: <https://www.fairviewmicrowave.com/shv-plug-rg58-rg55-rg141-rg142-rg223-rg400-rg303-lmr-195-connector-fmcn45908-p.aspx>

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