

SHV Plug Connector Clamp/Solder Attachment for RG174, RG316, RG188, LMR-100, .100 inch Cable



FMCN5247

Configuration

- SHV Plug Connector
- MIL-STD-348A
- 50 Ohms
- Straight Body Geometry
- Connector Interface Types: RG174, RG316, RG188, LMR-100, .100 inch

Features

- Operating Frequency of 300 MHz Max.
- Good VSWR of 1.5:1
- Gold Plated Brass Contact
- 30 µin minimum contact plating

Applications

- General Purpose Test
- Custom Cable Assemblies

Description

SHV Plug Standard Connector Clamp/Solder Attachment for RG174, RG316, RG188, LMR-100 and .100 inch Cable, part number FMCN5247, from Fairview Microwave is in-stock and ships same day. This SHV plug connector operates up to a maximum frequency of 300 MHz and offers good VSWR of 1.5:1.

Fairview's SHV plug connector FMCN5247 datasheet specifications and outline drawing are shown in this PDF below. Our extensive offering of RF, microwave and millimeter wave connectors allows designers to configure and customize their signal connections however they like. From providing an I/O for a board design to creating a custom cable assembly configuration, Fairview Microwave has a connector solution to meet your needs. Fairview Microwave also has the expertise to build your custom cable assemblies for you and ship them same-day.

Electrical Specifications

Description	Minimum	Typical	Maximum	Units
Frequency Range	DC		300	MHz
VSWR			1.5:1	
Operating Voltage (AC)			1,100	Vrms
Impedance		50		Ohms

Mechanical Specifications

Size

Length	1.66 in [42.16 mm]
Width	0.571 in [14.5 mm]
Height	0.571 in [14.5 mm]
Weight	0.06 lbs [27.22 g]

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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

Mechanical Specification Notes:

When attaching the connector to the cable use a clamp torque value of 16 in-lbs [1.81 Nm]

Environmental Specifications

Temperature

Operating Range -65 to +165 deg C

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

Plotted and Other Data

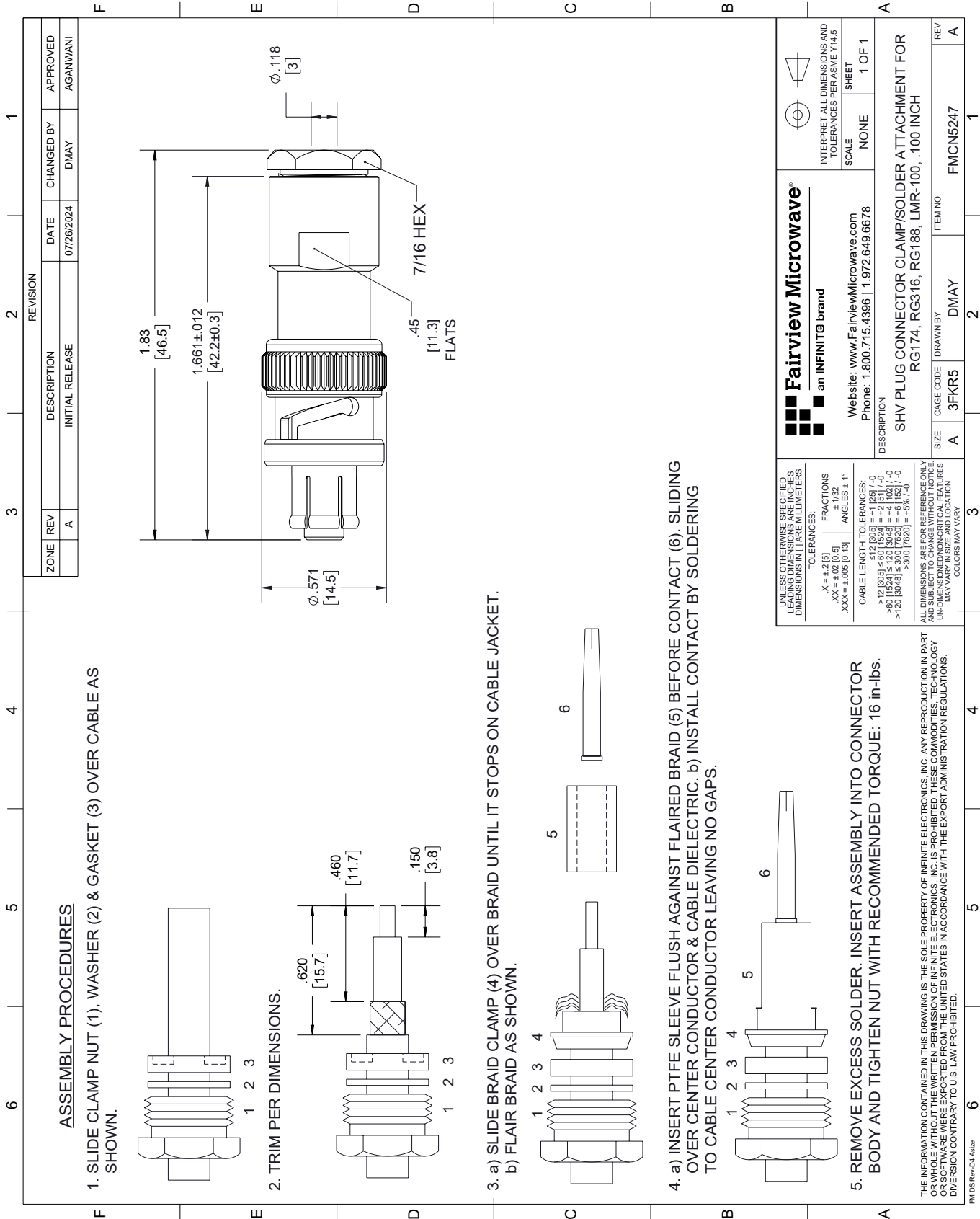
Notes:

SHV Plug Connector Clamp/Solder Attachment for RG174, RG316, RG188, LMR-100, .100 inch 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 RG174, RG316, RG188, LMR-100, .100 inch Cable FMCN5247](#)

URL: <https://www.fairviewmicrowave.com/shv-plug-rg174-rg316-rg188-lmr-100-.100-connector-fmcn5247-p.aspx>

The information contained within 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 liability arising out of the use of any part or document.



ZONE	REV	DESCRIPTION	DATE	CHANGED BY	APPROVED
	A	INITIAL RELEASE	07/26/2024	DMAY	AGANWANI

<p>Fairview Microwave® an INFINIT® brand</p> <p>Website: www.FairviewMicrowave.com Phone: 1.800.715.4396 1.972.649.6678</p>		<p>INTERPRET ALL DIMENSIONS AND TOLERANCES PER ASME Y14.5</p> <p>SCALE: NONE</p> <p>SHEET: 1 OF 1</p>
<p>DESCRIPTION: SHV PLUG CONNECTOR CLAMP/SOLDER ATTACHMENT FOR RG174, RG316, RG188, LMR-100, .100 INCH</p>		<p>REV: A</p>
<p>UNLESS OTHERWISE SPECIFIED, LENGTH DIMENSIONS ARE IN INCHES, DIMENSIONS IN [] ARE MILLIMETERS</p> <p>TOLERANCES: X = ±.2(5) FRACTIONS ±.1(32) XX = ±.02(0.5) ANGLES ± 1° .XXX = ±.005(0.13)</p> <p>CABLE LENGTH TOLERANCES: ≤ 12 [305] ±.60 [15.24] = +.2(5) / -0 > 12 [305] ≤ 60 [1524] = +.2(5) / -0 > 60 [1524] ≤ 120 [3048] = +.4(102) / -0 > 120 [3048] ≤ 300 [7620] = +.6(152) / -0 > 300 [7620] = +.9% / -0</p> <p>ALL DIMENSIONS ARE FOR REFERENCE ONLY. ALL DIMENSIONS ARE TO THE CENTERLINE UNLESS OTHERWISE SPECIFIED. DIMENSIONS MAY VARY IN SIZE AND LOCATION. COLORS MAY VARY.</p>	<p>SIZE: A</p> <p>CAGE CODE: 3FKR5</p> <p>ITEM NO.: FMCN5247</p>	

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