

## 3.5mm Male (Plug) Connector Clamp/Solder Attachment for FM-P141HF Cable



### FMCN5331

#### Configuration

- 3.5mm Male Connector
- 50 Ohms
- Straight Body Geometry
- Connector Interface Types: FM-P141HF

#### Features

- Operating Frequency of 26.5 GHz Max.
- Excellent VSWR of 1.2:1
- Gold over Nickel over Copper Plated Beryllium Copper Contact

#### Applications

- General Purpose Test
- Custom Cable Assemblies

#### Description

3.5mm Male Connector Clamp/Solder Attachment for FM-P141HF Cable,, part number FMCN5331, from Fairview Microwave is in-stock and ships same day. This 3.5mm male connector operates up to a maximum frequency of 26.5 GHz and offers excellent VSWR of 1.2:1.

Fairview's 3.5mm male connector FMCN5331 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		26.5	GHz
VSWR			1.2:1	
Insertion Loss			0.154	dB
Operating Voltage (AC)			250	Vrms
Dielectric Withstanding Voltage (AC)			750	Vrms
Inner Conductor DC Resistance			3	mOhms
Outer Conductor DC Resistance			2	mOhms
Insulation Resistance	5,000			MOhms
RF Leakage	100			dB
Impedance		50		Ohms

#### Mechanical Specifications

##### Size

Length	1.203 in [30.56 mm]
Width	0.374 in [9.5 mm]
Height	0.374 in [9.5 mm]
Weight	0.02 lbs [9.07 g]
Mating Cycles	500 Cycles
Mating Torque	7.1 to 9.7 in-lbs [[0.80 to 1.10 Nm]]

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**FMCN5331**

### Material Specifications

Description	Material	Plating
Contact	Beryllium Copper	Gold over Nickel over Copper
Insulation	PPO	
Outer Conductor	Stainless Steel	Passivated
Body	Stainless Steel	Passivated
Coupling Nut	Stainless Steel	Passivated
Retaining Ring	Beryllium Copper	Copper-Tin-Zinc Alloy
Gasket	Silicone	
Crimp Sleeve	Brass	Copper-Tin-Zinc Alloy
Solder Sleeve	Brass	

### Environmental Specifications

#### Temperature

Operating Range

-55 to +105 deg C

Humidity

MIL-STD-202, Method 106

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

Notes:

3.5mm Male (Plug) Connector Clamp/Solder Attachment for FM-P141HF 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: [3.5mm Male \(Plug\) Connector Clamp/Solder Attachment for FM-P141HF Cable FMCN5331](#)

URL: <https://www.fairviewmicrowave.com/product/rf-connectors/3.5mm-male-fm-p141hf-connector-fmcn5331.html>

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.

FMCN5331 CAD Drawing
3.5mm Male (Plug) Connector Clamp/Solder Attachment for FM-P141HF Cable

