

## 3.5mm Female (Jack) Bulkhead Connector Clamp/Solder Attachment for FM-SR086ALTN-COIL, FM-SR086CU-COIL, FM-SR086CUTN-COIL, FM-SR086TB Cable



### FMCN5330

#### Configuration

- 3.5mm Female Connector
- 50 Ohms
- Straight Body Geometry
- Connector Interface Types: FM-SR086ALTN-COIL, FM-SR086CU-COIL, FM-SR086CUTN-COIL, FM-SR086TB, FM-SR086TBJ, FM-F086
- Bulkhead

#### Features

- Operating Frequency of 34.5 GHz Max.
- Excellent VSWR of 1.25:1
- Gold over Nickel over Copper Plated Beryllium Copper Contact

#### Applications

- General Purpose Test
- Rack and Panel Mount Applications
- Custom Cable Assemblies

#### Description

3.5mm Female Bulkhead Mount Connector Clamp/Solder Attachment for FM-SR086ALTN-COIL, FM-SR086CU-COIL, FM-SR086CUTN-COIL, FM-SR086TB, FM-SR086TBJ and FM-F086 Cable, part number FMCN5330, from Fairview Microwave is in-stock and ships same day. This 3.5mm female connector operates up to a maximum frequency of 34.5 GHz and offers excellent VSWR of 1.25:1. Fairview's FMCN5330 bulkhead 3.5mm connector enables designers to make external connections on product enclosures, and can be used in a variety of other rack mount and panel mount applications.

Fairview's 3.5mm female bulkhead connector FMCN5330 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		34.5	GHz
VSWR			1.25:1	
Insertion Loss			0.176	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	1.012 in [25.7 mm]
Width	0.321 in [8.15 mm]

## 3.5mm Female (Jack) Bulkhead Connector Clamp/Solder Attachment for FM-SR086ALTN-COIL, FM-SR086CU-COIL, FM-SR086CUTN-COIL, FM-SR086TB Cable



### FMCN5330

Height	0.321 in [8.15 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]]

### Material Specifications

Description	Material	Plating
Contact	Beryllium Copper	Gold over Nickel over Copper
Insulation	PPO	
Body	Stainless Steel	Passivated
Coupling Nut	Stainless Steel	Passivated
Crimp Sleeve	Brass	Copper-Tin-Zinc Alloy
Solder Sleeve	Brass	
Washer	Stainless Steel	Passivated

### Environmental Specifications

<b>Temperature</b>	
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 Female (Jack) Bulkhead Connector Clamp/Solder Attachment for FM-SR086ALTN-COIL, FM-SR086CU-COIL, FM-SR086CUTN-COIL, FM-SR086TB 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 Female \(Jack\) Bulkhead Connector Clamp/Solder Attachment for FM-SR086ALTN-COIL, FM-SR086CU-COIL, FM-SR086CUTN-COIL, FM-SR086TB Cable FMCN5330](#)

URL: <https://www.fairviewmicrowave.com/product/rf-connectors/3.5mm-female-fm-sr086altn-coil-fm-sr086cu-coil-fm-sr086cutn-coil-fm-sr086tb-fm-sr086tbj-fm-f086-connector-fmcn5330.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.

3.5mm Female (Jack) Bulkhead Connector Clamp/Solder Attachment for FM-SR086ALTN-COIL, FM-SR086CU-COIL, FM-SR086CUTN-COIL, FM-SR086TB Cable

THE INFORMATION CONTAINED IN THIS DRAWING IS THE SOLE PROPERTY OF INFINITE ELECTRONICS, INC. ANY REPRODUCTION IN PART OR WHOLE WITHOUT THE WRITTEN PERMISSION OF INFINITE ELECTRONICS, INC. IS PROHIBITED. THESE COMMODITIES, TECHNOLOGY OR SOFTWARE WERE EXPORTED FROM THE UNITED STATES IN ACCORDANCE WITH THE EXPORT ADMINISTRATION REGULATIONS. DIVERSION CONTRARY TO U.S. LAW PROHIBITED.