

RA 3.5mm Male (Plug) Connector Clamp/Solder Attachment for FM-SR141ALTN-COIL, FM-SR141CU-COIL, FM-SR141CUTN-COIL, FM-SR141TB Cable



FMCN5329

Configuration

- 3.5mm Male Connector
- 50 Ohms
- Right Angle Body Geometry
- Connector Interface Types: FM-SR141ALTN-COIL, FM-SR141CU-COIL, FM-SR141CUTN-COIL, FM-SR141TB, FM-SR141TBJ

Features

- Operating Frequency of 26.5 GHz Max.
- Excellent VSWR of 1.25:1
- Gold over Nickel over Copper Plated Beryllium Copper Contact

Applications

- General Purpose Test
- Custom Cable Assemblies

Description

RA 3.5mm Male Connector Clamp/Solder Attachment for FM-SR141ALTN-COIL, FM-SR141CU-COIL, FM-SR141CUTN-COIL, FM-SR141TB and FM-SR141TBJ Cable, part number FMCN5329, 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 1.25:1. Its right angle body geometry facilitates connections in tight spaces.

Fairview's RA 3.5mm male connector FMCN5329 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			1.25:1	
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

Performance by Frequency

Description	F1	F2	F3	F4	F5	Units
Frequency Range	DC to 18	18 to 26.5				GHz
VSWR, Max	1.2:1	1.25:1				
Insertion Loss, Max	0.127	0.154				dB

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Attachment for FM-SR141ALTN-COIL, FM-SR141CU-
COIL, FM-SR141CUTN-COIL, FM-SR141TB Cable



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Mechanical Specifications

Size

Length	0.74 in [18.8 mm]
Width	0.315 in [8 mm]
Height	0.68 in [17.27 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	
Outer Conductor	Stainless Steel	Passivated
Body	Stainless Steel	Passivated
Coupling Nut	Brass	Copper-Tin-Zinc Alloy
Retaining Ring	Beryllium Copper	Copper-Tin-Zinc Alloy
Gasket	Silicone	
Crimp Sleeve	Brass	Gold over Nickel over Copper

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:

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COIL, FM-SR141CUTN-COIL, FM-SR141TB Cable



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For additional information on this product, please click the following link: [RA 3.5mm Male \(Plug\) Connector Clamp/Solder Attachment for FM-SR141ALTN-COIL, FM-SR141CU-COIL, FM-SR141CUTN-COIL, FM-SR141TB Cable FMCN5329](https://www.fairviewmicrowave.com/product/rf-connectors/3.5mm-male-fm-sr141altn-coil-fm-sr141cu-coil-fm-sr-141cutn-coil-fm-sr141tb-fm-sr141tbj-connector-fmcn5329.html)

URL: <https://www.fairviewmicrowave.com/product/rf-connectors/3.5mm-male-fm-sr141altn-coil-fm-sr141cu-coil-fm-sr-141cutn-coil-fm-sr141tb-fm-sr141tbj-connector-fmcn5329.html>

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