

RA SSMC Plug (Male) Connector Crimp/Solder Attachment for RG316DS, RG316-DS Cable



FMCN5338

Configuration

- SSMC Plug Connector
- 50 Ohms
- Right Angle Body Geometry
- Connector Interface Types: RG316DS, RG316-DS

Features

- Operating Frequency of 6 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

RA SSMC Plug Connector Crimp/Solder Attachment for RG316DS and RG316-DS Cable, part number FMCN5338, from Fairview Microwave is in-stock and ships same day. This SSMC plug connector operates up to a maximum frequency of 6 GHz and offers excellent VSWR of 1.2:1. Its right angle body geometry facilitates connections in tight spaces.

Fairview's RA SSMC plug connector FMCN5338 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		6	GHz
VSWR			1.2:1	
Insertion Loss			0.245	dB
Operating Voltage (AC)			175	Vrms
Dielectric Withstanding Voltage (AC)			500	Vrms
Inner Conductor DC Resistance			5	mOhms
Outer Conductor DC Resistance			2.5	mOhms
Insulation Resistance	10,000			MOhms
RF Leakage	70			dB
Impedance		50		Ohms

Mechanical Specifications

Size

Length	0.406 in [10.31 mm]
Width	0.158 in [4.01 mm]
Height	0.425 in [10.8 mm]
Weight	0.5 lbs [226.8 g]
Mating Cycles	500 Cycles
Engagement Force	2lbs [907.18g]
Disengagement Force	1.8lbs [816.47g]

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Material Specifications

Description	Material	Plating
Contact	Beryllium Copper	Gold over Nickel over Copper
Insulation	PTFE	
Outer Conductor	Brass	Gold over Nickel over Copper
Body	Brass	Gold over Nickel over Copper
Crimp Sleeve	Copper	Gold over Nickel over Copper

Environmental Specifications

Temperature

Operating Range

-65 to +165 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:

RA SSMC Plug (Male) Connector Crimp/Solder Attachment for RG316DS, RG316-DS 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: [RA SSMC Plug \(Male\) Connector Crimp/Solder Attachment for RG316DS, RG316-DS Cable FMCN5338](#)

URL: <https://www.fairviewmicrowave.com/product/rf-connectors/ssmc-plug-rg316-ds-rg188-ds-connector-fmcn5338.html>

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