

Mini SMP Female (Jack) Connector Compression Attachment for FMBC005, FMBC006 Cable



FMCN5353

Configuration

- Mini SMP Female Connector
- 50 Ohms
- Connector Interface Types: FMBC005, FMBC006

Features

- Operating Frequency of 40 GHz Max.
- Good VSWR of 1.3:1
- Blind Mate Connector
- Gold over Nickel Alloy over Copper Plated Beryllium Copper Contact

Applications

- General Purpose Test
- Custom Cable Assemblies

Description

Mini SMP Female Connector Compression Attachment for FMBC005 and FMBC006 Cable, part number FMCN5353, from Fairview Microwave is in-stock and ships same day. This Mini SMP female connector operates up to a maximum frequency of 40 GHz and offers good VSWR of 1.3:1. This blind mate connector is ideal for applications without direct visual or tactile access to the connection point, for example, when two circuit boards need to be mated.

Fairview's Mini SMP female connector FMCN5353 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		40	GHz
VSWR			1.3:1	
Insertion Loss			0.632	dB
Dielectric Withstanding Voltage (AC)			325	Vrms
Inner Conductor DC Resistance			6	mOhms
Outer Conductor DC Resistance			2	mOhms
Insulation Resistance	5,000			MOhms
Impedance		50		Ohms

Electrical Specification Notes:

Engagement force: Full Detent: 3.5 lbs typical; Smooth bore: 1.5 lbs typical
 Disengagement force: Full Detent: 5.0lbs typical; Smooth bore: 1.5lbs typical
 Durability (mating): Full Detent: =100; Smooth bore: = 1000
 Contact pin captivation: = 1.5lbs

Mechanical Specifications

Size

Length 0.479 in [12.17 mm]
 Width 0.193 in [4.9 mm]

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Height	0.193 in [4.9 mm]
Weight	0.0972 lbs [44.09 g]

Material Specifications

Description	Material	Plating
Contact	Beryllium Copper	Gold over Nickel Alloy over Copper
Contact Spring	Passivated Stainless Steel	
Insulation	PTFE	
Body	Beryllium Copper	Gold over Nickel Alloy over Copper
Retaining Ring	Passivated Stainless Steel	
Crimp Sleeve	Passivated Stainless Steel	

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:

Mini SMP Female (Jack) Connector Compression Attachment for FMBC005, FMBC006 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: [Mini SMP Female \(Jack\) Connector Compression Attachment for FMBC005, FMBC006 Cable FMCN5353](#)

URL: <https://www.fairviewmicrowave.com/product/rf-connectors/mini-smp-female-fmbc005-fmbc006-connector-fmcn5353>

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