

Mini SMP Male VITA 67 Connector Solder Attachment for FM-F086HF Cable

FMCN1540



Configuration

- Mini SMP Male Connector
- 50 Ohms
- Straight Body Geometry
- Connector Interface Types: FM-F086HF
- VITA 67 Design

Features

- Operating Frequency of 40 GHz Max.
- Good VSWR of 1.45:1
- Blind Mate Connector
- Gold Plated Beryllium Copper Contact
- Contact plating according to ASTM B488
- Coaxial interconnects on VPX platforms
- Standard MIL-STD-348 SMPM interface
- Rugged Stainless Steel construction
- Accepts 0.086" cable contacts for end to end solution

Applications

- General Purpose Test
- Custom Cable Assemblies
- Robust and Rugged high speed cabled solution
- VITA 67 Backplane
- High Density Applications

Description

FMCN1540 Mini SMP male coaxial connector from Fairview Microwave has an interface type of FM-F086HF and a 50 Ohm impedance. This Mini SMP male connector utilizes a solder attachment for the contact. Our male Mini SMP coaxial connector provides a minimum frequency of DC and a maximum frequency of 40 GHz.

Mini SMP male coaxial RF connector has a TEFLON dielectric and a VSWR of 1.45:1. This Fairview Microwave Mini SMP coaxial connector has a beryllium copper body with gold plating. You can find this Mini SMP male coaxial connector datasheet specifications below.

Fairview Microwave male Mini SMP connector purchases will ship the same day. Our Mini SMP male FMCN1536 connector is part of over one million RF, microwave and millimeter wave components in stock and ready for same-day shipment worldwide. We also build custom Mini SMP cable assemblies that will ship quickly from our location.

Electrical Specifications

Description	Minimum	Typical	Maximum	Units
Frequency Range	DC		40	GHz
VSWR			1.45:1	
Dielectric Withstanding Voltage (AC)			325	Vrms
Inner Conductor DC Resistance			6	mOhms
Outer Conductor DC Resistance			5	mOhms
Insulation Resistance	5,000			MOhms
Impedance		50		Ohms

Mechanical Specifications

Size

Length	0.42 in [10.67 mm]
Width	0.74 in [18.80 mm]
Height	0.39 in [9.91 mm]
Weight	0.0016 lbs [0.73 g]
Mating Cycles	500 Cycles

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Engagement Force	4.25lbs [1.93kg]
Disengagement Force	3.5lbs [1.59kg]

Material Specifications

Description	Material	Plating
Contact	Beryllium Copper	Gold ASTM B488
Insulation	Teflon	
Body	Beryllium Copper	Gold ASTM B488
Retaining Ring	Beryllium Copper	Nickel SAE-AMS-QQ-N-290

Environmental Specifications

Temperature	
Operating Range	-55 to +125 deg C
Humidity	1,000 megohms within 5 minutes after removal from humidity, tested per MIL-STD-202, Method 106
Shock	Sawtooth pulse of 100 g 6ms per MIL-STD-202, Method 213, Condition I
Vibration	MIL-STD-202, Method 214, Test Condition I, Curve D
Thermal Shock	MIL-STD-202, Method 107, Test Condition A

Compliance Certifications (see [product page](#) for current document)

Plotted and Other Data

Notes:

Mini SMP Male VITA 67 Connector Solder Attachment for FM-F086HF 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 Male VITA 67 Connector Solder Attachment for FM-F086HF Cable FMCN1540](#)

URL: <https://www.fairviewmicrowave.com/mini-smp-male-pe-p086-pe-p086hf-pe-p086ll-pe-p086flx-connector-fmcn1540-p.aspx>

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FMCN1540 CAD Drawing

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