VITA 67 Mini SMP Male to SMP Female Cable FM-F086HF Coax in 24 Inch



FMCA9752-24

Configuration

- Connector 1: Mini SMP Male
- Connector 2: SMP Female
- Cable Type: FM-F086HF
- Coax Cable Group: 2
- Coax Flex Type: Flexible

Features

- Max Frequency 18 GHz
- Shielding Effectivity > 110 dB
- 70% Phase Velocity
- Standard MIL-STD-348 SMPM interface
- Push-on/snap-on mating style for quick installation
- Mini SMP (SMPM) Female compatible with VITA 67 (4-port) and (8-port) blocks
- Mini SMP (SMPM) Male Compatible with VITA 67 (4-port) and (8-port) blocks

Applications

- General Purpose
- Laboratory Use
- Scientific research
- High-reliability, high-density for aerospace & defense application
- Ground base station & communication systems, avionics, radar systems

Description

The Mini SMP male to SMP female 24 inch cable using FM-F086HF coax, part number FMCA9752-24, from Fairview Microwave is in-stock and ships same day. This Fairview Mini SMP to SMP cable assembly has a male to female gender configuration with 50 ohm flexible coax. Fairview Microwave's VITA 67 assemblies are high-density, high-performance, fixed-length RF cable assemblies that fit into VITA 67 blocks and attach to the PCB board which makes it ideal for applications where tight bends and flexure is required. The FMCA9752-24 Mini SMP male to SMP female cable assembly operates to 18 GHz.

Custom versions of most RF cable assemblies can be built and shipped same day. Custom cable assembly lengths can be obtained by specifying the desired length on the web site at time of order or by contacting a sales representative. Other RF cable assembly value added services including connector orientation or clocking, heat shrink booting and labeling are also available. RF testing can also be performed to document the electrical performance of your cable assembly.

Electrical Specifications

Description	Minimum	Typical	Maximum	Units
Frequency Range	DC		18	GHz
VSWR			1.2:1	
Velocity of Propagation		70		%
RF Shielding	110			dB

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Electrical Specifications

Description	Minimum	Typical	Maximum	Units
Capacitance		29.4 [96.46]		pF/ft [pF/m]

Specifications by Frequency

Description	F1	F2	F3	F4	F5	Units
Frequency	1	2	4.5	9	18	GHz
Insertion Loss (Typ.)	0.63	0.81	1.15	1.59	2.3	dB

Electrical Specification Notes:
Values at 25°C, sea level.

Mechanical Specifications

Cable Assembly

Length	24 in [609.6 mm]
Weight	0.23 lbs [104.33 g]

Cable

Cable Type	FM-F086HF
Impedance	50 Ohms
Inner Conductor Type	Solid
Inner Conductor Material and Plating	Copper Clad Steel, Silver
Dielectric Type	PTFE
Shield Layer 1	Silver Plated Copper Tape

Connectors

Description	Connector 1	Connector 2
Type	Mini SMP Male	SMP Female
Impedance	50 Ohms	50 Ohms
Configuration	Straight	Straight
Contact Material and Plating	Beryllium Copper, Gold	Beryllium Copper, Gold
Contact Plating Specification	ASTM B488	MIL-G-45204
Body Material and Plating	Beryllium Copper, Gold	Beryllium Copper, Gold
Body Plating Specification	ASTM B488	MIL-G-45204

Environmental Specifications

Compliance Certifications (see product page for current document)

Plotted and Other Data

Notes:

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Values at 25°C, sea level.

Typical Performance Data

How to Order

Part Number Configuration: **FMCA9752 - xx uu**

- uu — Unit of Measure:
  - cm = Centimeters
  - <blank> = Inches
- xx — Length
- FMCA9752 — Base Number

Example: FMCA9752-12 = 12 inches long cable
FMCA9752-100cm = 100 cm long cable

VITA 67 Mini SMP Male to SMP Female Cable FM-F086HF Coax in 24 Inch 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: VITA 67 Mini SMP Male to SMP Female Cable FM-F086HF Coax in 24 Inch FMCA9752-24

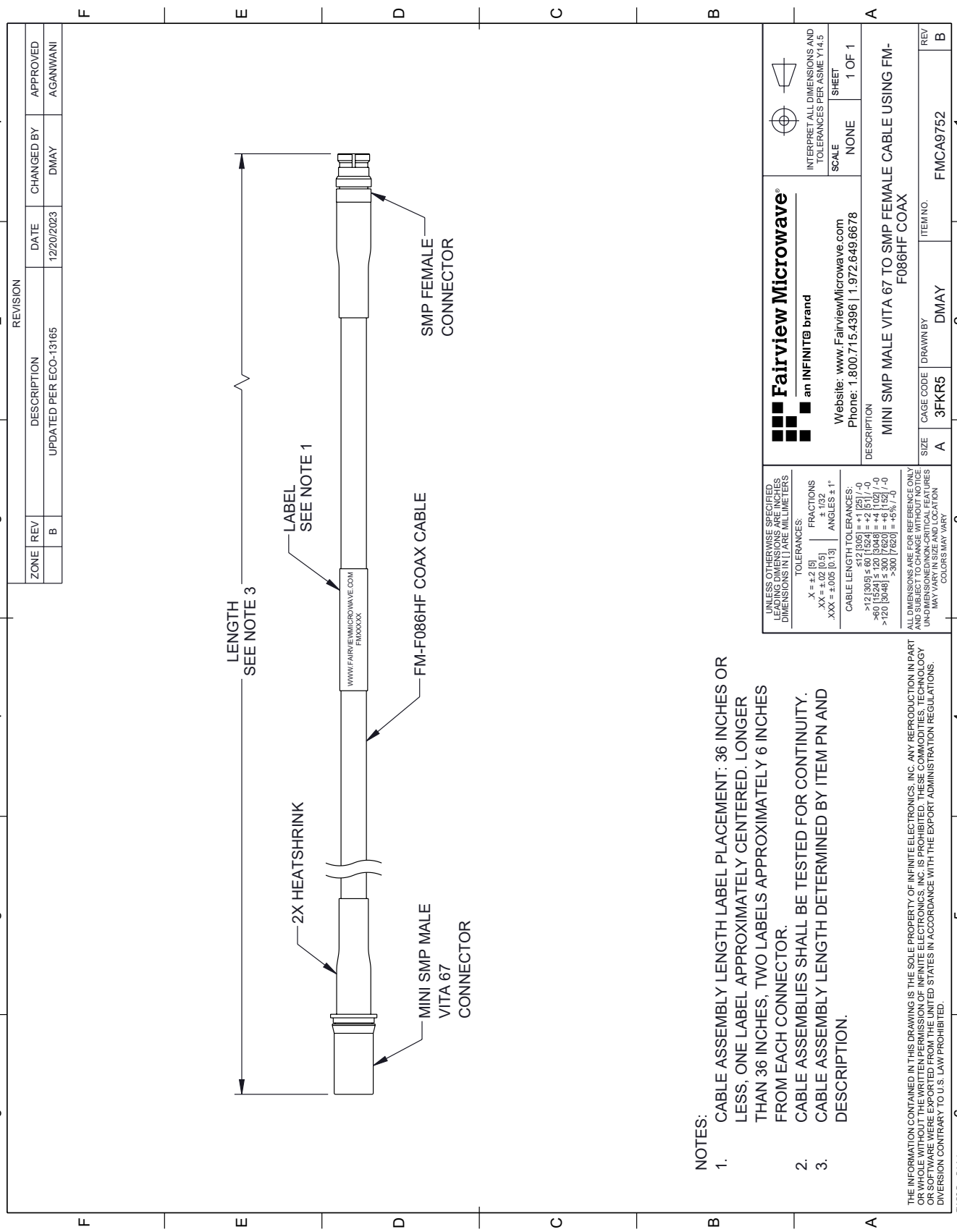
URL: https://www.fairviewmicrowave.com/vita-67-mini-smp-male-to-smp-female-cable-fm-f086hf-coax-in-24-inch-fm-ca9752-24-p.aspx

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FMCA9752-24 CAD Drawing

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