



VITA 67 Mini SMP Female to 2.4mm Male Cable FM-P047HF Coax

The Mini SMP female to 2.4mm male cable using FM-P047HF coax, part number FMCA9729, from Fairview Microwave is in-stock and ships same day. This Fairview Mini SMP to 2.4mm cable assembly has a female to male gender configuration with 50 ohm flexible coax. Fairview Microwave's VITA 67 assemblies are high-density, high-performance 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 FMCA9729 Mini SMP female to 2.4mm male cable assembly operates to 40 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

lax Units
40 GHz
16:1
%
dB
pF/ft [pF/m]

Performance by Frequency

Description	F1	F2	F3	F4	F5	Units
Frequency	2.5	5	10	20	40	GHz
Insertion Loss (Typ.)	0.539	0.786	1.169	1.754	2.683	dB/ft
	1.77	2.58	3.84	5.75	8.8	dB/m

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

Mechanical Specifications

Cable Assembly

Shield Layer 1

Weight 0.075 lbs [34.02 g]

Cable

Cable Type
Impedance
Inner Conductor Type
Inner Conductor Material and Plating
Dielectric Type

50 Ohms Solid Copper, Silver FEP Silver Plated Copper Tape

FM-P047HF

Configuration:

- Mini SMP Female
- 2.4mm Male
- FM-P047HF

Features:

- Max Frequency 40 GHz
- Shielding Effectivity > 90 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

Fairview Microwave 301 Leora Ln., Suite 100 Lewisville, TX 75056 Tel: 1-800-715-4396 / (972) 649-6678

Fax: (972) 649-6689 www.fairviewmicrowave.com sales@fairviewmicrowave.com





Connectors

Mini SMP Female	2.4		
Mini SMP Female 2.4mm Male			
50 Ohms 50 Ohms			
Beryllium Copper, GoldBeryllium Copper, Gold over Nickel			
ASTM B488	50 μin minimum		
Brass, Gold	Beryllium Copper, Gold over Nickel		
ASTM B488	50 µin minimum		
	Beryllium Copper, Gol ASTM B488 Brass, Gold		

Compliance Certifications (see product page for current document)

Plotted and Other Data

Notes:

· Values at 25°C, sea level.

How to Order

Part Number Configuration:

FMCA9729 - xx uu | cm = Centimeters | chlank > = Inches | Length |

Example: FMCA9729-12 = 12 inches long cable | FMCA9729-100cm = 100 cm long cable

VITA 67 Mini SMP Female to 2.4mm Male Cable FM-P047HF Coax from Fairview Microwave has same day shipment for domestic and International orders. Our RF, microwave and millimeter wave products maintain a 99% availability and are part of the broadest selection in the industry.

Click the following link to obtain additional part information: VITA 67 Mini SMP Female to 2.4mm Male Cable FM-P047HF Coax FMCA9729

URL: https://www.fairviewmicrowave.com/vita-67-mini-smp-female-to-2.4mm-male-cable-fm-p047hf-coax-fmca9729-p. aspx

The information contained in this document is accurate to the best of our knowledge and representative of the part described herein. It may be necessary to make modifications to the part and/or the documentation of the part, in order to implement improvements. Fairview Microwave reserves the right to make such changes as required. Unless otherwise stated, all specifications are nominal. Fairview Microwave does not make any representation or warranty regarding the suitability of the part described herein for any particular purpose, and Fairview Microwave does not assume any liability arising out of the use of any part or documentation.

301 Leora Ln., Suite 100, Lewisville, TX 75056 | Tel: 1-800-715-4396 / (972) 649-6678 / Fax: (972) 649-6689





