

VITA 67.3 2.92mm Female to SMPS
Female Cable FM-SR047CU Coax



FMCA100366

Configuration

- Connector 1: 2.92mm Female
- Connector 2: SMPS Female
- Cable Type: FM-SR047CU-COIL
- Coax Flex Type: Semi-Rigid

Features

- Max Frequency 40 GHz

Applications

- General Purpose
- Laboratory Use

Description

The 2.92mm female to SMPS female cable using FM-SR047CU coax, part number FMCA100366, from Fairview Microwave is in-stock and ships same day. This Fairview 2.92mm to SMPS cable assembly has a female to female gender configuration with 50 ohm semi-rigid FM-SR047CU-COIL coax. Fairview Microwave's semi-rigid RF cable assemblies are ideal for high performance applications and can be formed, using proper tooling, to the routing pattern required. The FMCA100366 2.92mm female to SMPS female 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

Description	Minimum	Typical	Maximum	Units
Frequency Range	DC		40	GHz
VSWR			1.4:1	

Specifications by Frequency

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Part Number	Length	Description	F1	F2	F3	F4	Units	Weight (lbs)
			Frequency	2500	5000	10000	20000	
FMCA100366	Custom Lengths Available	Insertion Loss (Typ.)	0.55	0.8	1.3	1.9	dB/ft	
			1.81	2.63	4.27	6.24	dB/m	
FMCA100366-6	6 In	Insertion Loss (Typ.)	0.48	0.6	0.85	1.15	dB	0.009
FMCA100366-9	9 In	Insertion Loss (Typ.)	0.62	0.8	1.18	1.63	dB	0.01
FMCA100366-12	12 In	Insertion Loss (Typ.)	0.75	1	1.5	2.1	dB	0.011
FMCA100366-18	18 In	Insertion Loss (Typ.)	1.03	1.4	2.15	3.05	dB	0.013
FMCA100366-24	24 In	Insertion Loss (Typ.)	1.3	1.8	2.8	4	dB	0.015

The insertion loss data for the base model does not include loss due to the connectors. Each length includes insertion loss due to the connectors.

Loss due to Connector 1:	0.1 dB
Loss due to Connector 2:	0.1 dB
Base Weight:	0.0109 pounds
Additional Weight per Inch:	0.00034 pounds

Mechanical Specifications

Cable Assembly

Width/Diameter	0.5 in [12.7 mm]
Weight	0.011 lbs [4.99 g]

Cable

Cable Type	FM-SR047CU-COIL
Impedance	50 Ohms
Inner Conductor Type	Solid
Inner Conductor Material and Plating	Copper Clad Steel, Silver
Dielectric Type	PTFE
Number of Shields	1
Outer Conductor 1 Material and Plating	Copper
Jacket Material	Tan
Repeated Minimum Bend Radius	0.05 in [1.27 mm]

Connectors

Description	Connector 1	Connector 2
Type	2.92mm Female	SMPS Female
Impedance	50 Ohms	50 Ohms
Configuration	Straight	Straight
Contact Material and Plating	Beryllium Copper, Gold over Nickel	Beryllium Copper, Gold
Contact Plating Specification	50 µin minimum	
Dielectric Type	PEI	PTFE
Outer Conductor Material and Plating		Beryllium Copper, Gold
Body Material and Plating	Passivated Stainless Steel	Passivated Stainless Steel
Body Plating Specification	SAE-AMS-2700	

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Environmental Specifications

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

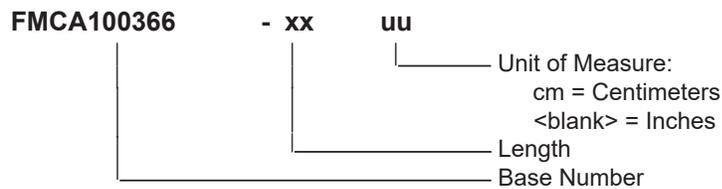
Plotted and Other Data

Notes:

Typical Performance Data

How to Order

Part Number Configuration:



Example: FMCA100366-12 = 12 inches long cable
FMCA100366-100cm = 100 cm long cable

VITA 67.3 2.92mm Female to SMPS Female Cable FM-SR047CU Coax 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.

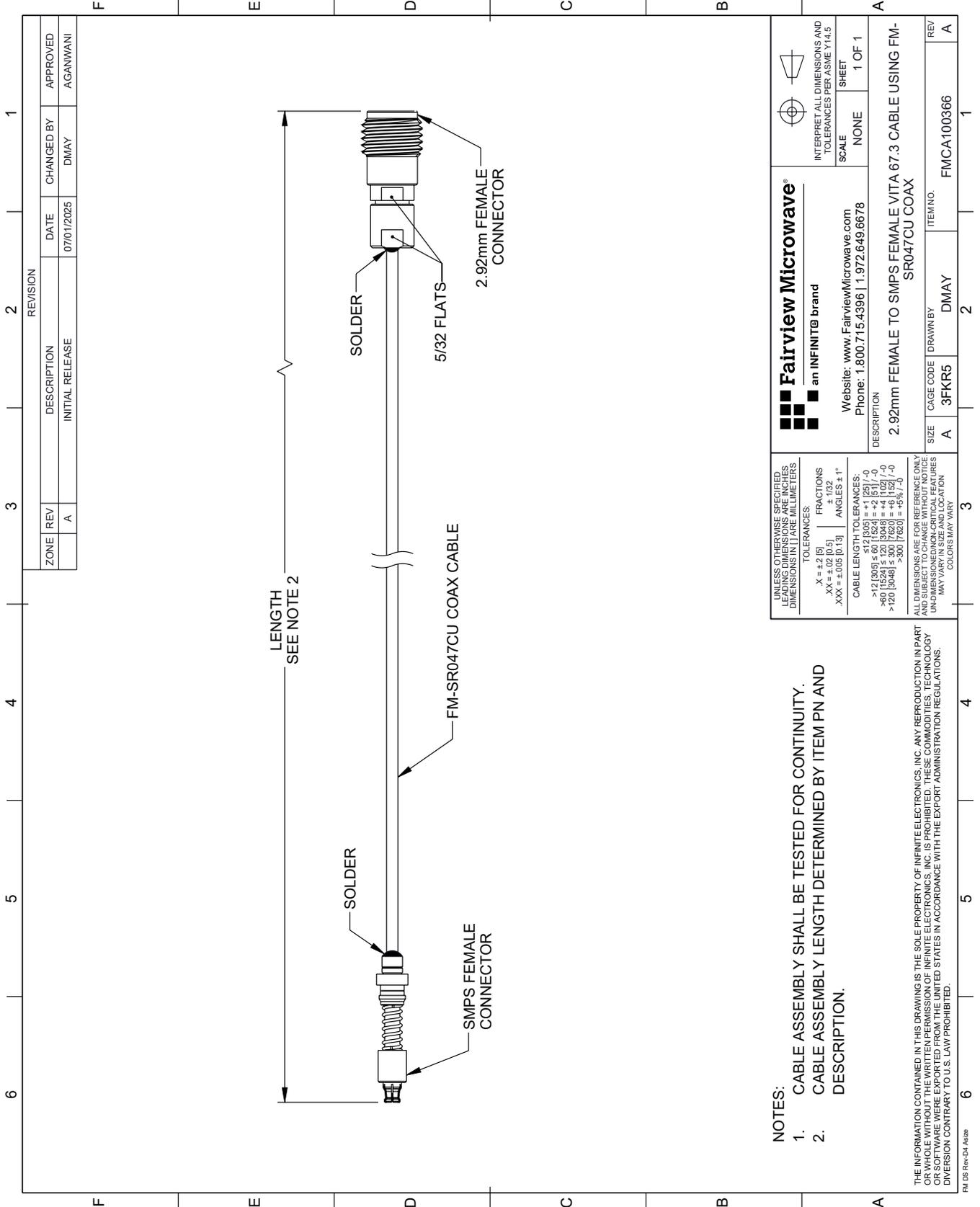
For additional information on this product, please click the following link: [VITA 67.3 2.92mm Female to SMPS Female Cable FM-SR047CU Coax FMCA100366](#)

URL: <https://www.fairviewmicrowave.com/vita-67.3-2.92mm-female-to-smps-female-cable-fm-sr047cu-coax-fm-ca100366-p.aspx>

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FMCA100366 CAD Drawing

VITA 67.3 2.92mm Female to SMPS Female Cable FM-SR047CU Coax



REVISION		DATE	CHANGED BY	APPROVED	
ZONE	REV	DESCRIPTION	DATE	CHANGED BY	APPROVED
	A	INITIAL RELEASE	07/01/2025	DMAY	AGANWANI

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UNLESS OTHERWISE SPECIFIED:
LEADING DIMENSIONS ARE IN INCHES
DIMENSIONS IN [] ARE MILLIMETERS

TOLERANCES:
.X = ±.2 [5]
.XX = ±.02 [0.5]
.XXX = ±.005 [0.13]
FRACTIONS
± 1/32
ANGLES ± 1°

CABLE LENGTH TOLERANCES:
≤ 12 [305] ± .60 [1524] = ± 2 [51] / -0
> 12 [305] ≤ 60 [1524] = ± 2 [51] / -0
> 60 [1524] ≤ 120 [3048] = ± 4 [102] / -0
> 120 [3048] ≤ 300 [7620] = ± 8 [203] / -0

ALL DIMENSIONS ARE FOR REFERENCE ONLY.
UNLESS OTHERWISE SPECIFIED, DIMENSIONS
MAY VARY IN SIZE AND LOCATION.
COLORS MAY VARY

SCALE: NONE
SHEET: 1 OF 1

INTERPRET ALL DIMENSIONS AND TOLERANCES PER ASME Y14.5

DESCRIPTION
2.92mm FEMALE TO SMPS FEMALE VITA 67.3 CABLE USING FM-SR047CU COAX

SIZE: A
CAGE CODE: 3FKR5
DRAWN BY: DMAY
ITEM NO.: FMCA100366

REV: A

NOTES:
1. CABLE ASSEMBLY SHALL BE TESTED FOR CONTINUITY.
2. CABLE ASSEMBLY LENGTH DETERMINED BY ITEM PN AND DESCRIPTION.

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FM DS Rev-D4 Alt2