

RA SSMA Male to SSMA Female 4 Hole Flange Cable FM-P047 Coax



FMCA9981

Configuration

- Connector 1: SSMA Male Right Angle
- Connector 2: SSMA Female 4 Hole Flange
- Cable Type: FM-P047
- Coax Flex Type: Flexible

Features

- Shielding Effectivity > 90 dB
- 70% Phase Velocity
- Double Shielded
- FEP Jacket

Applications

- General Purpose
- Laboratory Use

Description

The RA SSMA male to SSMA female 4 hole flange cable using FM-P047 coax, part number FMCA9981, from Fairview Microwave is in-stock and ships same day. This Fairview SSMA to SSMA cable assembly has a male to female gender configuration with 50 ohm flexible FM-P047 coax. Fairview Microwave's flexible RF cable assemblies are ideal for applications where tight bends and continual flexure are required. The right angle SSMA interface on the FM-P047 cable allows for easier connections in tight spaces. Our RF cable assembly with SSMA 4 hole flange interface allows designers to create external connections on their product enclosures, and can be used in a variety of other rack mount and panel mount applications. The double shielding of this Fairview cable assembly provides excellent shielding effectiveness of better than 90 dB.

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 |
|-------------------------|---------|------------|---------|--------------|
| Velocity of Propagation | | 70 | | % |
| RF Shielding | 90 | | | dB |
| Capacitance | | 29 [95.14] | | pF/ft [pF/m] |

Mechanical Specifications

Cable Assembly

Weight 0.016 lbs [7.26 g]

Cable

Cable Type FM-P047
Impedance 50 Ohms
Inner Conductor Type Solid

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| | |
|--------------------------------------|----------------------------|
| Inner Conductor Material and Plating | Copper, Silver |
| Dielectric Type | FEP |
| Number of Shields | 2 |
| Shield Layer 1 | Silver Plated Copper Tape |
| Shield Layer 2 | Silver Plated Copper Braid |
| Jacket Material | FEP, Blue |
| Jacket Diameter | 0.056 in [1.42 mm] |
| One Time Minimum Bend Radius | 0.2 in [5.08 mm] |
| Repeated Minimum Bend Radius | 0.4 in [10.16 mm] |

Connectors

| Description | Connector 1 | Connector 2 |
|-----------------------------------|-----------------------|---------------------------|
| Type | SSMA Male Right Angle | SSMA Female 4 Hole Flange |
| Specification | MIL-C-39012 | MIL-STD-348 |
| Impedance | 50 Ohms | 50 Ohms |
| Configuration | Right Angle | Straight |
| Contact Material and Plating | Gold | Gold |
| Contact Plating Specification | MIL-G-45204 | MIL-G-45204 |
| Dielectric Type | Teflon | PTFE |
| Body Material and Plating | Brass, Gold | Stainless Steel, Gold |
| Body Plating Specification | MIL-G-45204 | MIL-G-45204 |
| Coupling Nut Material and Plating | Brass, Nickel | |
| Hex Size | 1/4 in. | |
| Torque | 3 in-lbs 0.34 Nm | |

Environmental Specifications

| | |
|-----------------------------|-------------------|
| Operating Range Temperature | -65 to +165 deg C |
|-----------------------------|-------------------|

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

Plotted and Other Data

Notes:

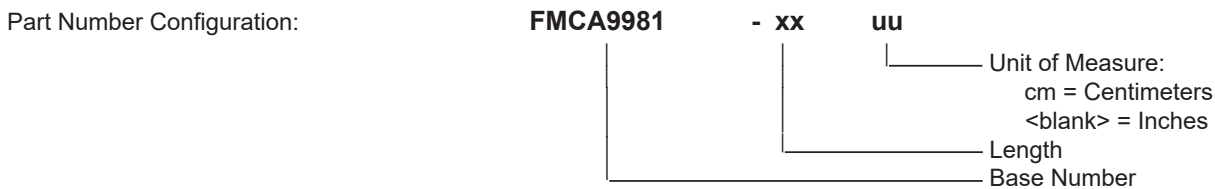
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Typical Performance Data

How to Order



Example: FMCA9981-12 = 12 inches long cable
FMCA9981-100cm = 100 cm long cable

RA SSMA Male to SSMA Female 4 Hole Flange Cable FM-P047 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.

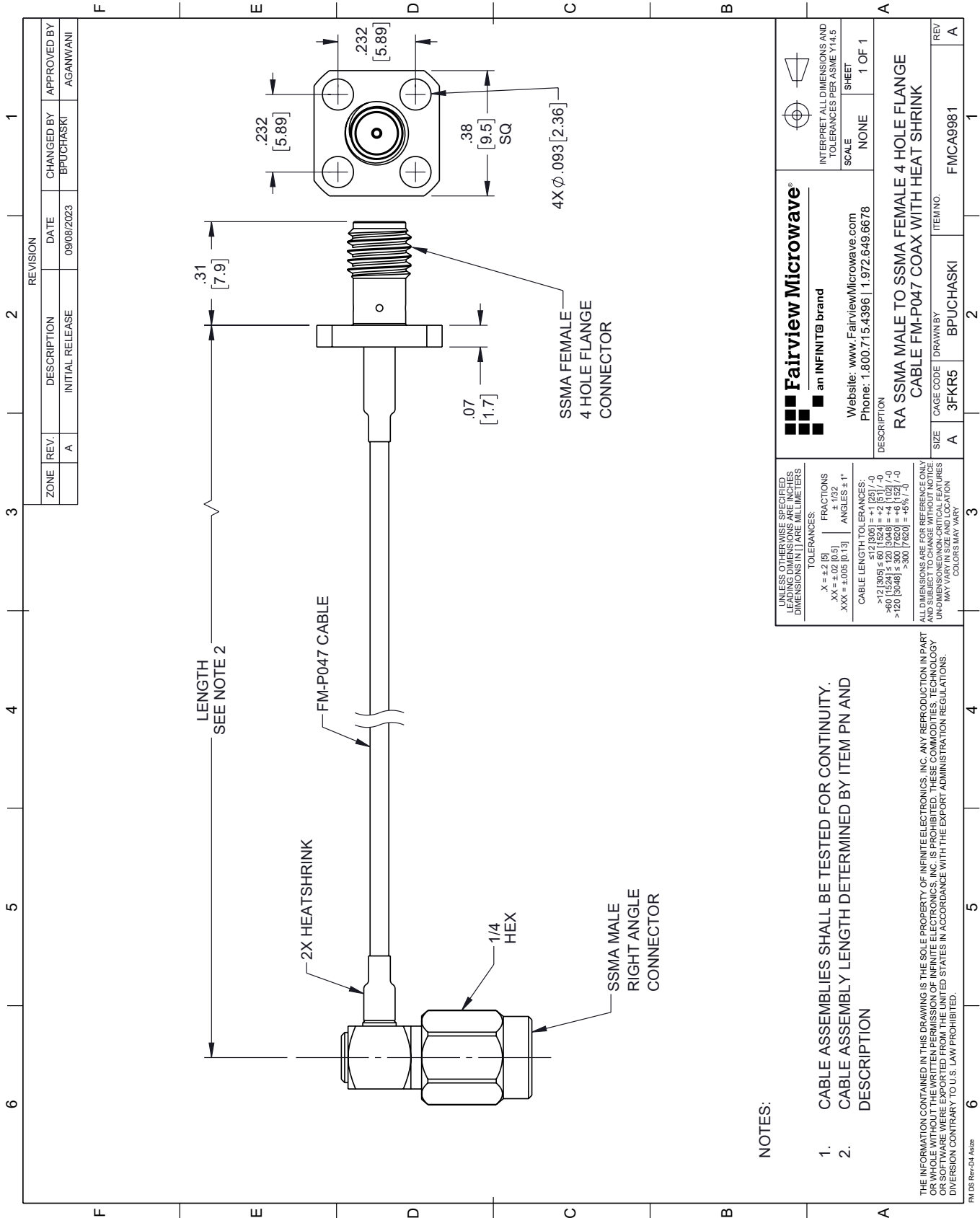
For additional information on this product, please click the following link: [RA SSMA Male to SSMA Female 4 Hole Flange Cable FM-P047 Coax FMCA9981](#)

URL: <https://www.fairviewmicrowave.com/ra-ssma-male-to-ssma-female-4-hole-flange-cable-fm-p047-coax-fmca9981-p.aspx>

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FMCA9981 CAD Drawing

RA SSMA Male to SSMA Female 4 Hole Flange Cable FM-P047 Coax



NOTES:

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

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