

## RA SMB Plug to RA SMB Plug Cable RG-188 Coax



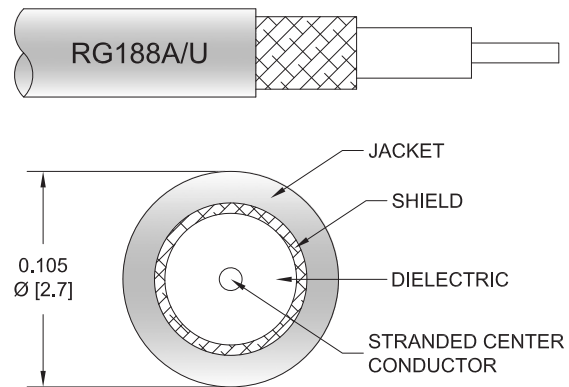
### FMCA100073

#### Configuration

- Connector 1: SMB Plug Right Angle
- Connector 2: SMB Plug Right Angle
- Cable Type: RG-188
- Coax Flex Type: Flexible

#### Features

- Max Frequency 3 GHz
- PTFE Jacket



#### Applications

- General Purpose
- Laboratory Use

#### Description

The RA SMB plug to RA SMB plug cable using RG188 coax, part number FMCA100073, from Fairview Microwave is in-stock and ships same day. This Fairview SMB to SMB cable assembly has a plug to plug gender configuration with 50 ohm flexible RG-188 coax. Fairview Microwave's flexible RF cable assemblies are ideal for applications where tight bends and continual flexure are required. The FMCA100073 SMB plug to SMB plug cable assembly operates to 3 GHz. The right angle SMB interfaces on the RG-188 cable allow for easier connections in tight spaces.

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		3	GHz
VSWR			1.4:1	

#### Mechanical Specifications

##### Cable Assembly

Width/Diameter	0.5 in [12.7 mm]
Weight	0.024 lbs [10.89 g]

##### Cable

Cable Type	RG-188
Impedance	50 Ohms
Inner Conductor Type	Stranded
Inner Conductor Material and Plating	Copper Clad Steel, Silver

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**FMCA100073**

Dielectric Type	PTFE
Number of Shields	1
Shield Layer 1	Silver Plated Copper Braid
Jacket Material	PTFE, White
Jacket Diameter	0.11 in [2.79 mm]

**Connectors**

Description	Connector 1	Connector 2
Type	SMB Plug Right Angle	SMB Plug Right Angle
Specification	MIL-STD-348A	MIL-STD-348A
Impedance	50 Ohms	50 Ohms
Configuration	Right Angle	Right Angle
Contact Material and Plating	Beryllium Copper, Gold	Beryllium Copper, Gold
Contact Plating Specification	30 µin minimum	30 µin minimum
Dielectric Type	PTFE	PTFE
Body Material and Plating	Brass, Gold	Brass, Gold
Body Plating Specification	3 µin minimum	3 µin minimum

**Environmental Specifications**

Operating Range Temperature	-55 to +165 deg C
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**Compliance Certifications** (see [product page](#) for current document)

**Plotted and Other Data**

Notes:

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### FMCA100073

#### Typical Performance Data

#### How to Order

Part Number Configuration: **FMCA100073 - xx uu**

FMCA100073: Base Number  
 - xx: Length  
 uu: Unit of Measure:  
 cm = Centimeters  
 <blank> = Inches

Example: FMCA100073-12 = 12 inches long cable  
 FMCA100073-100cm = 100 cm long cable

RA SMB Plug to RA SMB Plug Cable RG-188 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.

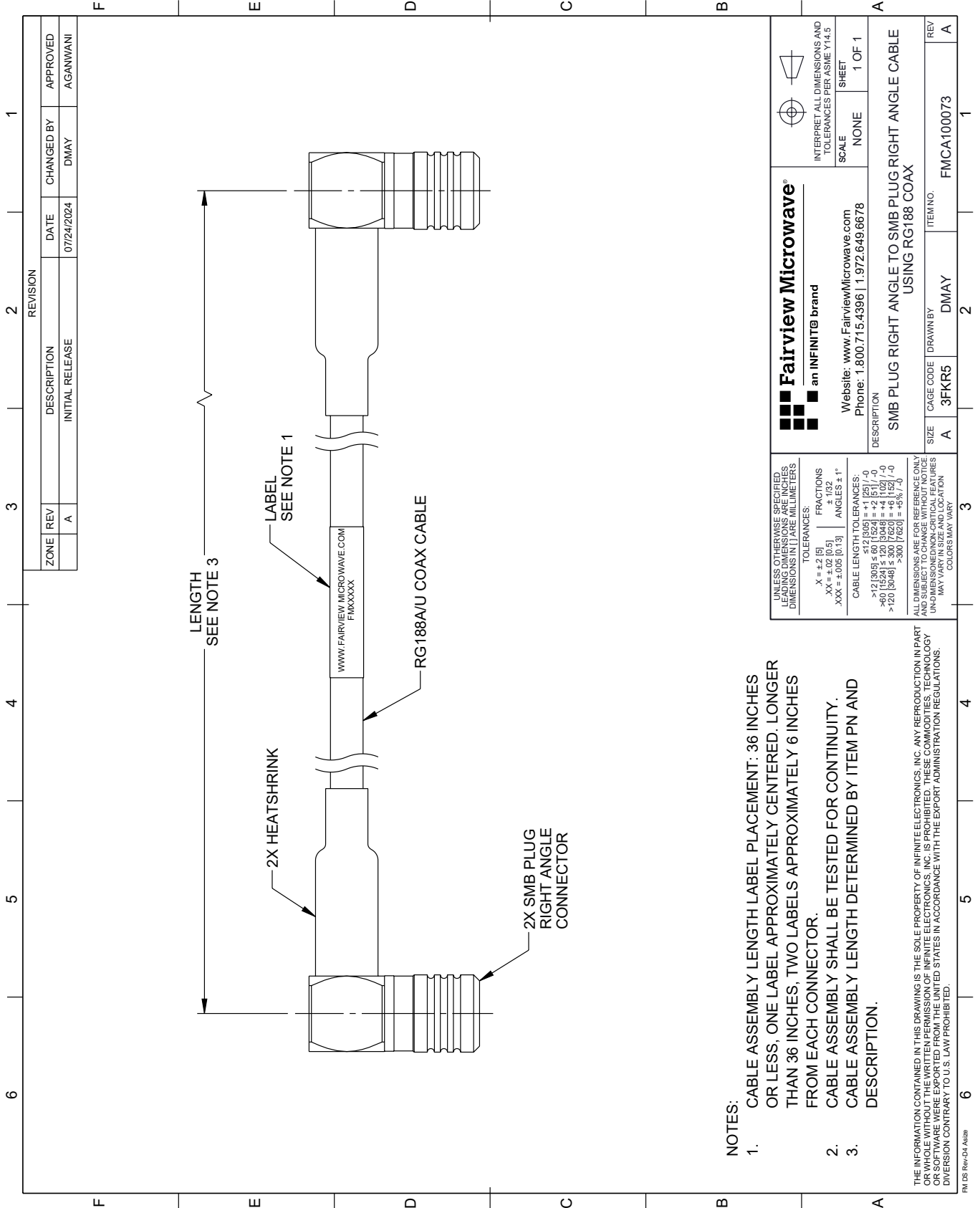
For additional information on this product, please click the following link: [RA SMB Plug to RA SMB Plug Cable RG-188 Coax FMCA100073](#)

URL: <https://www.fairviewmicrowave.com/ra-smb-plug-to-ra-smb-plug-cable-rg188-coax-fmca100073-p.aspx>

The information contained within 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 liability arising out of the use of any part or document.

# FMCA100073 CAD Drawing

## RA SMB Plug to RA SMB Plug Cable RG-188 Coax



REVISION		DATE	CHANGED BY	APPROVED	
ZONE	REV	DESCRIPTION	DATE	CHANGED BY	APPROVED
	A	INITIAL RELEASE	07/24/2024	DMAY	AGANWANI

 <b>Fairview Microwave®</b> an INFINIT® brand		 INTERPRET ALL DIMENSIONS AND TOLERANCES PER ASME Y14.5
Website: <a href="http://www.FairviewMicrowave.com">www.FairviewMicrowave.com</a> Phone: 1.800.715.4396   1.972.649.6678		SCALE: NONE SHEET: 1 OF 1
DESCRIPTION: SMB PLUG RIGHT ANGLE TO SMB PLUG RIGHT ANGLE CABLE USING RG188 COAX		
SIZE	CAGE CODE	ITEM NO.
A	3FKR5	FMCA100073
REV	DRAWN BY	REV
A	DMAY	A

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] = ±.1 [25] / -0  
 >60 [1524] ≤ 120 [3048] = ±.4 [102] / -0  
 >120 [3048] ≤ 300 [7620] = ±.6 [152] / -0

ALL DIMENSIONS ARE FOR REFERENCE ONLY. UNDIMENSIONS/NON-CRITICAL FEATURES MAY VARY IN SIZE AND LOCATION. COLORS MAY VARY.

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- NOTES:**
- CABLE ASSEMBLY LENGTH LABEL PLACEMENT: 36 INCHES OR LESS, ONE LABEL APPROXIMATELY CENTERED. LONGER THAN 36 INCHES, TWO LABELS APPROXIMATELY 6 INCHES FROM EACH CONNECTOR.
  - CABLE ASSEMBLY SHALL BE TESTED FOR CONTINUITY.
  - CABLE ASSEMBLY LENGTH DETERMINED BY ITEM PN AND DESCRIPTION.