

SMA Female Bulkhead to RA SMB Plug Cable RG-188 Coax



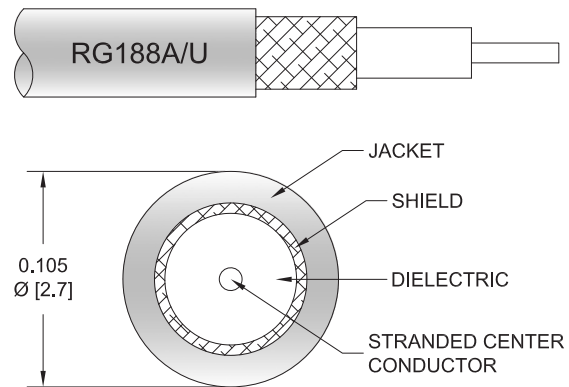
FMCA100087

Configuration

- Connector 1: SMA Female Bulkhead
- 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 SMA female bulkhead to RA SMB plug cable using RG188 coax, part number FMCA100087, from Fairview Microwave is in-stock and ships same day. This Fairview SMA to SMB cable assembly has a female 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 FMCA100087 SMA female to SMB plug cable assembly operates to 3 GHz. The right angle SMB interface on the RG-188 cable allows for easier connections in tight spaces. Our RF cable assembly with SMA bulkhead 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.

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	0.029 lbs [13.15 g]

Cable

Cable Type	RG-188
Impedance	50 Ohms
Inner Conductor Type	Stranded

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Inner Conductor Material and Plating	Copper Clad Steel, Silver
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	SMA Female Bulkhead	SMB Plug Right Angle
Specification	MIL-STD-348A	MIL-STD-348A
Impedance	50 Ohms	50 Ohms
Configuration	Straight	Right Angle
Contact Material and Plating	Beryllium Copper, Gold	Beryllium Copper, Gold
Contact Plating Specification	50 µin minimum	30 µin minimum
Dielectric Type	PTFE	PTFE
Outer Conductor Material and Plating	Brass, Gold	
Outer Conductor Plating Specification	3 µin minimum	
Body Material and Plating		Brass, Gold
Body Plating Specification		3 µin minimum

Environmental Specifications

Operating Range Temperature	-20 to +80 deg C
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Compliance Certifications (see [product page](#) for current document)

Plotted and Other Data

Notes:

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FMCA100087

Typical Performance Data

How to Order

Part Number Configuration:

FMCA100087

- xx

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Unit of Measure:
cm = Centimeters
<blank> = Inches
Length
Base Number

Example: FMCA100087-12 = 12 inches long cable
FMCA100087-100cm = 100 cm long cable

SMA Female Bulkhead 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: [SMA Female Bulkhead to RA SMB Plug Cable RG-188 Coax FMCA100087](https://www.fairviewmicrowave.com/sma-female-bulkhead-to-ra-smb-plug-cable-rg188-coax-fmca100087-p.aspx)

URL: <https://www.fairviewmicrowave.com/sma-female-bulkhead-to-ra-smb-plug-cable-rg188-coax-fmca100087-p.aspx>

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FMCA100087 CAD Drawing

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