Fairview Microwave
RF COMPONENTS ON DEMAND. Done!

FMCA1609-60
DATA SHEET

Slide-On BMA Plug Bulkhead to RA SMP Female Cable RG405 Type .086 Coax in 60 Inch



The BMA plug slide-on bulkhead to RA SMP female 60 inch cable using RG405 type .086 coax, part number FMCA1609-60, from Fairview Microwave is in-stock and ships same day. This Fairview BMA to SMP cable assembly has a plug to female gender configuration with 50 ohm semi-rigid FM-SR086CU 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 FMCA1609-60 BMA plug to SMP female cable assembly operates to 18 GHz. The right angle SMP interface on the FM-SR086CU cable allows for easier connections in tight spaces. Our RF cable assembly with BMA 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.

Configuration:

- Slide-On BMA Plug Bulkhead
- SMP Female Right Angle
- FM-SR086CU

Features:

- Max Frequency 18 GHz

Applications:

- General Purpose
- Laboratory Use
- Rack and Panel
- BMA Cable RF Backplanes
- Phased Array Interconnects
- High Speed Switching Networks
- Blind Mate BMA Test

Electrical Specifications

Description	Min	Typ	Max	Units
Frequency Range	DC		18	GHz
VSWR			1.5:1	
Return Loss			15.56	dB

Performance by Frequency

Description	F1	F2	F3	F4	F5	Units
Frequency	1	2	4.5	9	22	GHz
Insertion Loss (Typ.)	1.3	1.6	2.5	3.9	6.45	dB

Mechanical Specifications

Cable Assembly

Length*	60 in [152.4 cm]
Diameter	0.315 in [8 mm]

Cable

Cable Type	FM-SR086CU
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 Material and Plating	Copper
Repeated Minimum Bend Radius	0.05 in [1.27 mm]

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Connectors

Description	Connector 1	Connector 2
Type	BMA Plug	SMP Female
Mount Method	Bulkhead	
Specification		MIL-STD-348
Impedance	50 Ohms	50 Ohms
Connection Method	Slide-On	
Contact Material & Plating	Bronze, Gold	Beryllium Copper, Gold
Contact Plating Spec.	51.18µ in. minimum	MIL-G-45204
Dielectric Type	PTFE	PTFE
Outer Cond Material & Plating	Brass, Tri-Metal	
Outer Cond Plating Spec.	78.74µ in. minimum	
Body Material & Plating	Brass, Tri-Metal	Beryllium Copper, Gold
Body Plating Spec.	78.74µ in. minimum	MIL-G-45204
Hex Size	8 mm	

Mechanical Specification Notes:

*All cable assemblies have a length tolerance of 1.5% or ± 3/8", whichever is greater.

Environmental Specifications

Temperature

Operating Range -55 to +125 deg C

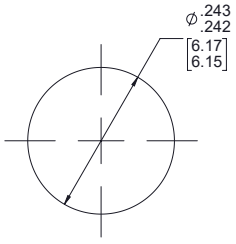
Compliance Certifications (see product page for current document)

Plotted and Other Data

Notes:

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Typical Performance Data



MOUNTING HOLE

How to Order

Part Number Configuration: **FMCA1609 - xx uu**

- uu: cm = Centimeters; <blank> = Inches
- xx: Length

Example: FMCA1609-12 = 12 inches long cable
FMCA1609-100cm = 100 cm long cable

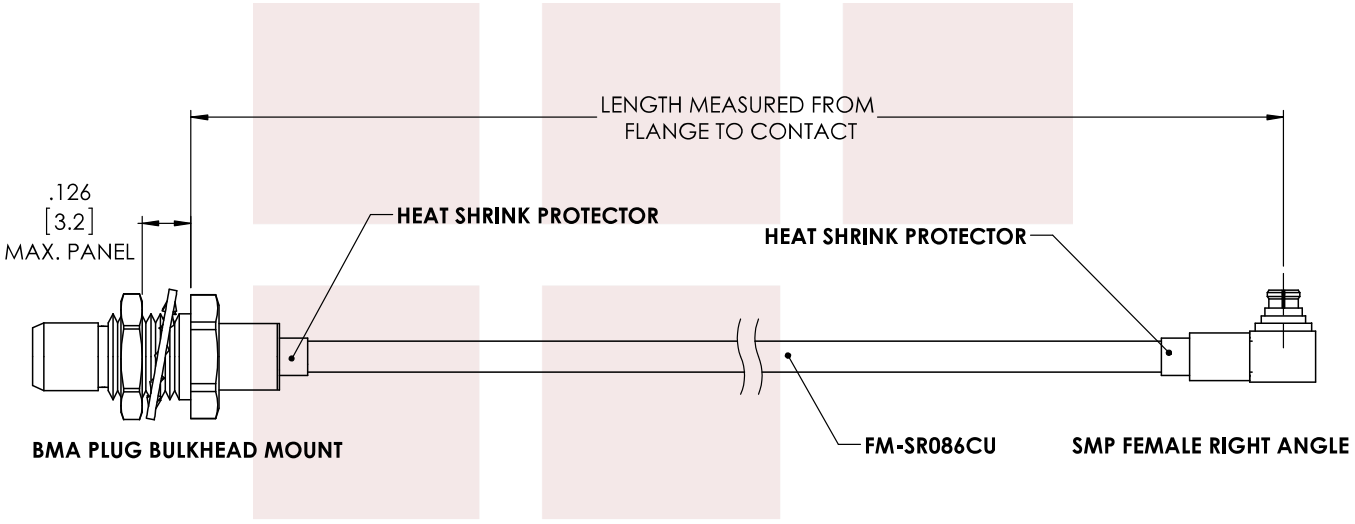
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Slide-On BMA Plug Bulkhead to RA SMP Female Cable RG405 Type .086 Coax in 60 Inch from Fairview Microwave has same day shipment for domestic and International orders. Our RF, microwave and fiber optic products maintain a 99% availability and are part of the broadest selection in the industry.

Click the following link to obtain additional part information: Slide-On BMA Plug Bulkhead to RA SMP Female Cable RG405 Type .086 Coax in 60 Inch FMCA1609-60

URL: https://www.fairviewmicrowave.com/bma-plug-ra-smp-female-cable-rg405-type-.086-coax-fmca1609-60-p.aspx

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STANDARD TOLERANCES
.X ±0.2
.XX ±0.01
.XXX ±0.005

*STANDARD TOLERANCES APPLY ONLY TO DIMENSIONS IN INCHES

FAIRVIEW MICROWAVE INC. ALLEN, TX 75013 WWW.FAIRVIEWMICROWAVE.COM	NOTES: 1. UNLESS OTHERWISE SPECIFIED ALL DIMENSIONS ARE NOMINAL. 2. ALL SPECIFICATIONS ARE SUBJECT TO CHANGE WITHOUT NOTICE AT ANY TIME. 3. DIMENSIONS ARE IN INCHES [mm].			
TITLE Slide-On BMA Plug Bulkhead to RA SMP Female Cable RG405 Type .086 Coax in 60 Inch	DWG NO FMCA1609	CAGE CODE 3FKR5		
	CAD FILE 12/20/17	SHEET	SCALE N/A SIZE A	CN2245

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