

FMCA2715-50CM **DATA SHEET**

BNC Female Bulkhead to SMA Female Cable in 50 CM **Length Using RG223 Coax**

The BNC female bulkhead to SMA female cable using RG223 coax, part number FMCA2715-50CM, from Fairview Microwave is in-stock and ships same day. This Fairview BNC to SMA cable assembly has a female to female gender configuration with 50 ohm flexible RG223 coax. Fairview Microwave's flexible RF cable assemblies are ideal for applications where tight bends and continual flexure are required. The FMCA2715-50CM BNC female to SMA female cable assembly operates to 4 GHz. Our RF cable assembly with BNC 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. The double shielding of this Fairview cable assembly provides excellent shielding effectiveness.

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	Min	T	ур Мах	c Units
Frequency Range	DC		4	GHz
VSWR			1.4:	1
Velocity of Propagation		6	6	%
Capacitance		30.8 [101.05]	pF/ft [pF/m]
Operating Voltage (AC)			500	Vrms

Performance by Frequency

Description	F1	F2	F3	F4	F5	Units
Frequency	0.1	0.25	0.5	1	4	GHz
Insertion Loss (Typ.)	0.27	0.31	0.35	0.42	0.68	dB/ft
	0.89	1.02	1.15	1.38	2.23	dB/m

Electrical Specification Notes:

The Insertion Loss data above is based on the performance specifications of the coax and connectors used in this assembly. The Insertion Loss includes an estimated insertion loss of 0.1 dB per connector.

Mechanical Specifications

Cable Assembly

Length* 19.68 in [499.87 mm] Weight 0.1069 lbs [48.49 g]

Cable

Cable Type RG223 **Impedance** 50 Ohms Inner Conductor Type Solid Inner Conductor Material and Plating Copper, Silver Dielectric Type

Configuration:

- BNC Female Bulkhead
- SMA Female
- RG223

Features:

- Max Frequency 4 GHz
- 66% Phase Velocity
- Double Shielded
- PVC Jacket

Applications:

- General Purpose
- Laboratory Use

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Number of Shields

Shield Layer 1 Silver Plated Copper Braid Shield Layer 2 Silver Plated Copper Braid

Jacket Material PVC, Black

Jacket Diameter 0.209 in [5.31 mm]

Repeated Minimum Bend Radius 1 in [25.4 mm]

Connectors

Description	Connector 1	Connector 2			
Туре	BNC Female	SMA Female			
Mount Method	Bulkhead				
Specification	MIL-STD-348A	MIL-STD-348A			
Impedance	50 Ohms	50 Ohms			
Contact Material & Plating	Brass, Gold	Beryllium Copper, Gold			
Contact Plating Spec.	30 µin minimum	50 µin minimum			
Dielectric Type	PTFE	PTFE			
Body Material & Plating	Brass, Nickel	Brass, Nickel			
Body Plating Spec.	100 µin minimum	100 µin minimum			

Environmental Specifications

Temperature

Operating Range -40 to +80 deg C

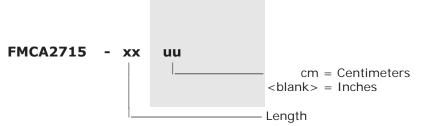
Compliance Certifications (see product page for current document)

Plotted and Other Data

Notes:

How to Order

Part Number Configuration:



Example: FMCA2715-12 = 12 inches long cable

FMCA2715-100cm = 100 cm long cable





BNC Female Bulkhead to SMA Female Cable in 50 CM Length Using RG223 Coax from Fairview Microwave has same day shipment for domestic and International orders. Our RF, microwave and millimeter wave products maintain a 99% availability and are part of the broadest selection in the industry.

Click the following link to obtain additional part information: BNC Female Bulkhead to SMA Female Cable in 50 CM Length Using RG223 Coax FMCA2715-50CM

The information contained in 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

URL: https://www.fairviewmicrowave.com/bnc-female-bulkhead-to-sma-female-cable-rg223-coax-in-50-cm-and-rohs-fmca2715-50cm-p.aspx

to implem	ent improven	nents.	Fairview	/ Microw	ave reserve	es the righ	nt to mak	e such	changes	as requ	ired. Unles	s otl	herwise
	specification												
suitability	of the part d	escribe	ed hereir	n for any	/ particular	purpose,	and Fair	view M	icrowave	does n	ot assume	any	liability
arising ou	t of the use o	f any p	art or do	ocument	ation.								





