

## RA SMB Plug to BNC Female Bulkhead Cable RG-316 Coax in 120 Inch

The RA SMB plug to BNC female bulkhead 120 inch cable using RG-316 coax, part number FMC2638315-120, from Fairview Microwave is in-stock and ships same day. This Fairview SMB to BNC cable assembly has a plug to female gender configuration with 50 ohm flexible RG-316 coax. Fairview Microwave's flexible RF cable assemblies are ideal for applications where tight bends and continual flexure are required. The FMC2638315-120 SMB plug to BNC female cable assembly operates to 1 GHz. The right angle SMB interface on the RG-316 cable allows for easier connections in tight spaces. 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.

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	Typ	Max	Units
Frequency Range	DC		1,000	MHz
VSWR			1.35:1	
Velocity of Propagation		70		%
Capacitance		32 [104.99]		pF/ft [pF/m]

### Mechanical Specifications

#### Cable Assembly

Length*	120 in [304.8 cm]
Diameter	0.689 in [17.5 mm]
Weight	0.159 lbs [72.12 g]

#### Cable

Cable Type	RG-316
Impedance	50 Ohms
Inner Conductor Type	Solid
Inner Conductor Material and Plating	Copper, Silver
Dielectric Type	PTFE
Number of Shields	1
Shield Layer 1	Silver Plated Copper Braid
Jacket Material	FEP, Tan
Jacket Diameter	0.098 in [2.49 mm]



### Configuration:

- SMB Plug Right Angle
- BNC Female Bulkhead
- RG-316

### Features:

- Max Frequency 1 GHz
- 70% Phase Velocity
- FEP Jacket

### Applications:

- General Purpose
- Laboratory Use

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## Connectors

Description	Connector 1	Connector 2
Type	SMB Plug	BNC Female
Mount Method		Bulkhead
Impedance	50 Ohms	50 Ohms
Contact Material & Plating	Beryllium Copper, Gold	Brass, Gold
Contact Plating Spec.	30μ in. minimum	30μ in. minimum
Dielectric Type	PTFE	PTFE
Body Material & Plating	Brass, Gold	Brass, Nickel
Body Plating Spec.	3μ in. minimum	100μ in. minimum

## Environmental Specifications

### Temperature

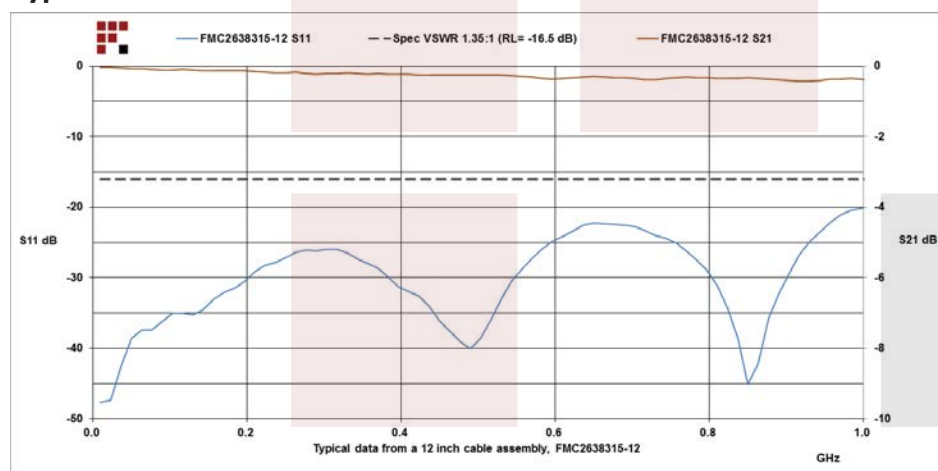
Operating Range -65 to +165 deg C

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

## Plotted and Other Data

Notes:

### Typical Performance Data



## How to Order

Part Number Configuration:

**FMC2638315 - xx uu**

cm = Centimeters  
<blank> = Inches  
Length

Example: FMC2638315-12 = 12 inches long cable  
FMC2638315-100cm = 100 cm long cable

RA SMB Plug to BNC Female Bulkhead Cable RG-316 Coax in 120 Inch 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.

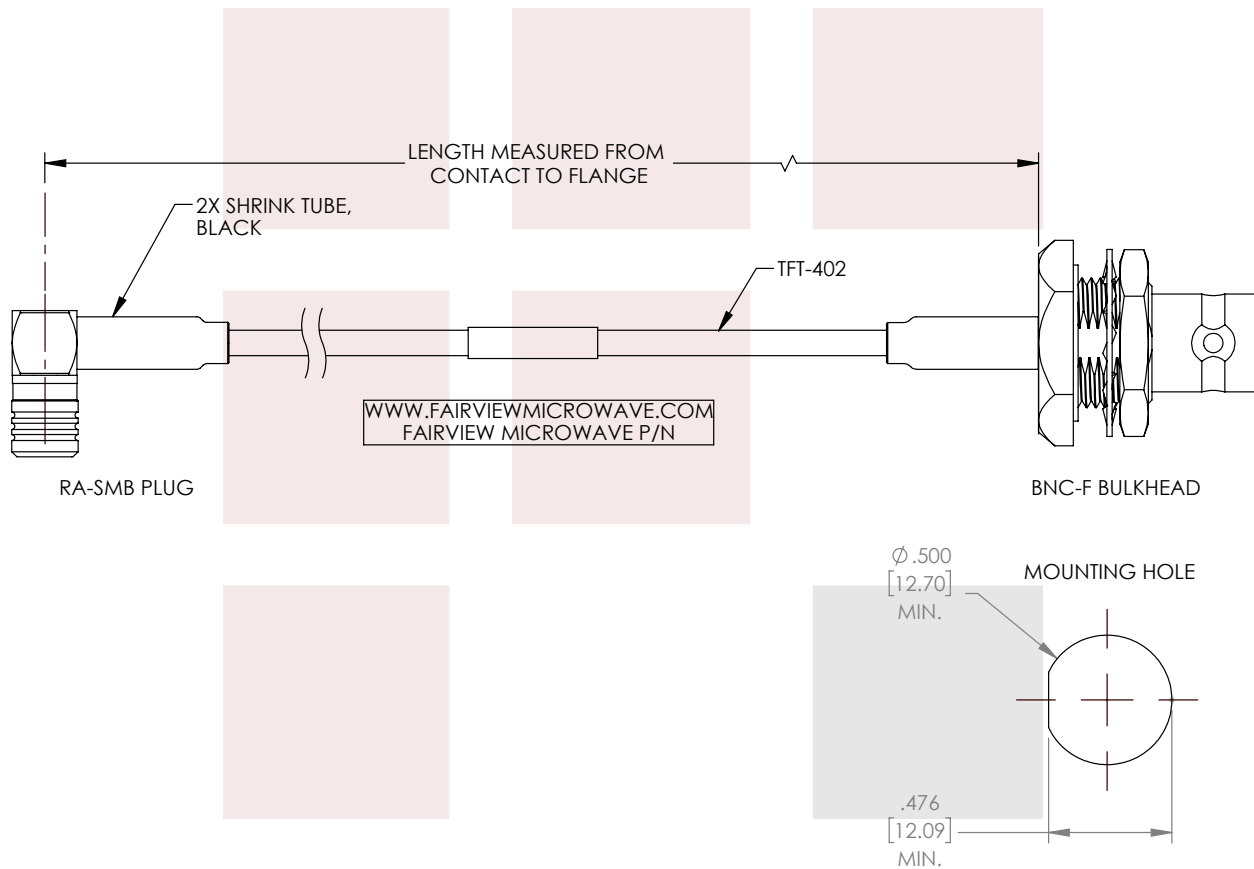
Click the following link to obtain additional part information: [RA SMB Plug to BNC Female Bulkhead Cable RG-316 Coax in 120 Inch FMC2638315-120](#)

URL: <https://www.fairviewmicrowave.com/ra-smb-plug-bnc-female-cable-rg316-coax-fmc2638315-120-p.aspx>

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 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 any liability arising out of the use of any part or documentation.



REVISIONS			
REV.	DESCRIPTION	DATE	APPROVED
1	INITIAL RELEASE	07/26/21	KLeitlein
2	PCR	07/29/21	KLeitlein



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TITLE

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Coax in 120 Inch

UNLESS OTHERWISE SPECIFIED LEADING DIMENSIONS ARE INCHES  
DIMENSIONS IN [ ] ARE MILLIMETERS

TOLERANCES:

.X = ±.2 [5.08] FRACTIONS  
.XX = ±.02 [.51] ± 1/32  
.XXX = ±.005 [.13] ANGLES ± 1°

CABLE LENGTH (L) TOLERANCES:

L ≤ 12 [305] = +1 [25] / -0  
12 [305] < L ≤ 60 [1524] = +2 [51] / -0  
60 [1524] < L ≤ 120 [3048] = +4 [102] / -0  
120 [3048] < L ≤ 300 [7620] = +6 [152] / -0  
300 [7620] < L = +5%L / -0

THIRD-ANGLE PROJECTION



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SHEET 1 OF 1

SCALE N/A

ALL DIMENSIONS SHOWN ARE FOR REFERENCE ONLY.

SIZE <b>A</b>	CAGE CODE <b>3FKR5</b>	DRAWN BY <b>PD</b>	ITEM NO. <b>FMC2638315</b>	REV <b>2</b>
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