

**SMA Female Bulkhead to SMA Female Cable**  
**RG-316 Coax in 6 Inch**

**Electrical Specifications**

Description	Min	Typ	Max	Units
Frequency Range	DC		3	GHz
VSWR			1.35:1	
Velocity of Propagation		70		%
Capacitance		32 [104.99]		pF/ft [pF/m]

**Mechanical Specifications**

**Cable Assembly**

Length	6 in [152.4 mm]
Cable Color	Black
Connection Type	In-Series

**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 Tape
Shield Layer 2	Silver Plated Copper Braid
Jacket Material	FEP
Jacket Diameter	0.098 in [2.49 mm]

**Connectors**

Description	Connector 1	Connector 2
Type	SMA Female Bulkhead	SMA Female
Impedance	50 Ohms	50 Ohms
Configuration	Straight	Straight
Connection Method	Standard	Standard
Contact Material & Plating	Beryllium Copper, Gold	Beryllium Copper, Gold
Contact Plating Spec.	50µ in. minimum	50µ in. minimum
Dielectric Type	Teflon	Teflon
Hex Size	5/16 inch	1/4 inch
Body Material & Plating	Brass, Gold	Brass, Gold
Body Plating Spec.	3µ in. minimum	3µ in. minimum

**Environmental Specifications**

**Temperature**

Operating Range	-65 to +165 deg C
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**Configuration:**

- SMA Female Bulkhead
- SMA Female
- RG-316

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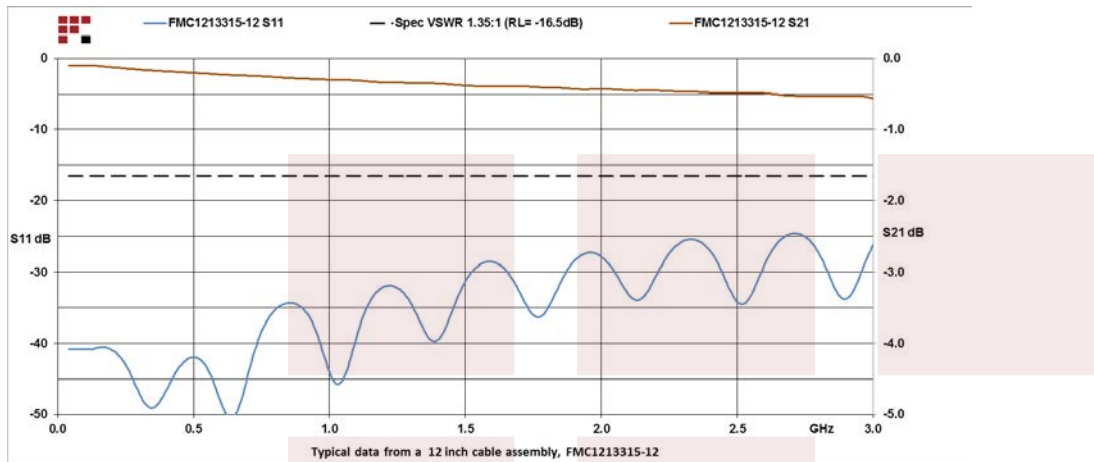
**Compliance Certifications** (visit [www.FairviewMicrowave.com](http://www.FairviewMicrowave.com) for current document)

**Plotted and Other Data**

Notes:

- Values at +25 °C, sea level

**Typical Performance Data**



**How to Order**

Part Number Configuration:

**FMC1213315 - xx uu**

cm = Centimeters  
 <blank> = Inches

Length

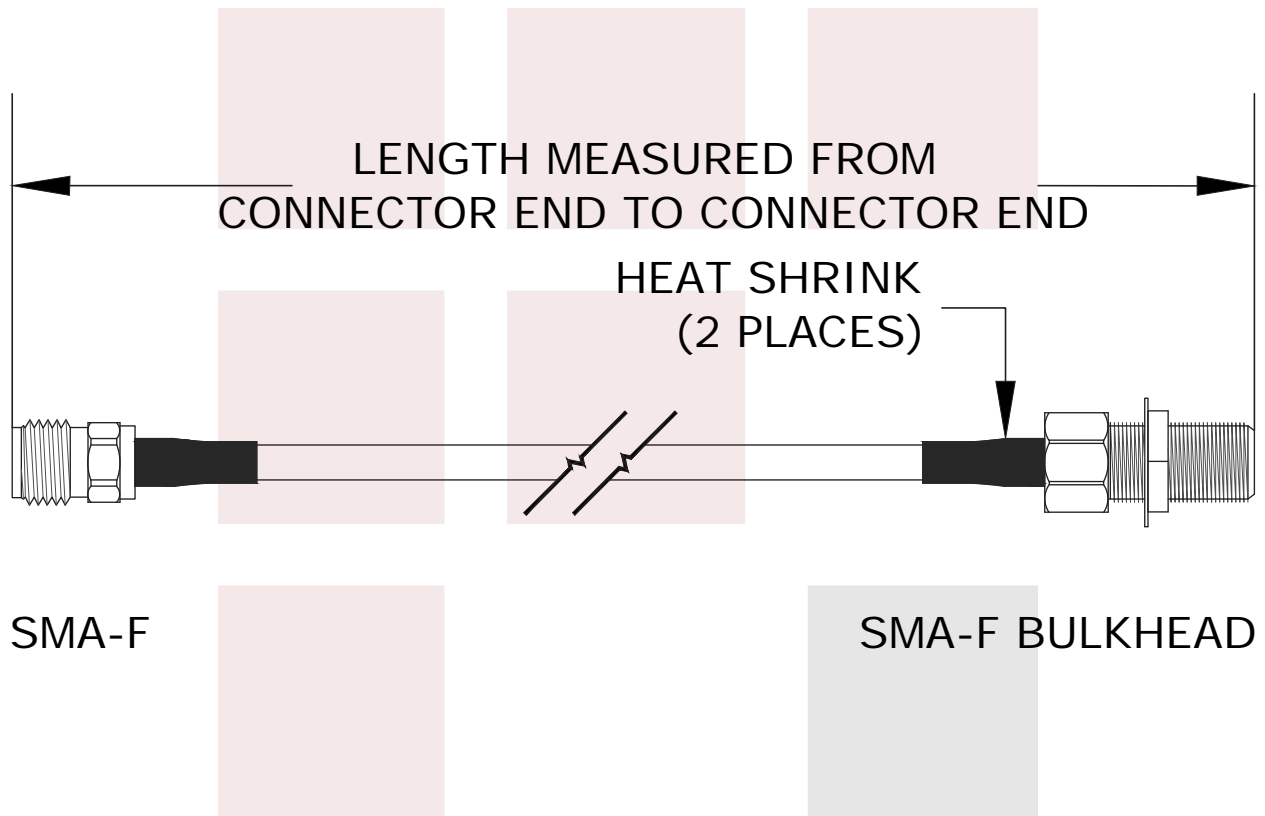
Example: FMC1213315-12 = 12 inches long cable  
 FMC1213315-100cm = 100 cm long cable

SMA Female Bulkhead to SMA Female Cable RG-316 Coax in 6 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: [SMA Female Bulkhead to SMA Female Cable RG-316 Coax in 6 Inch FMC1213315-06](http://www.fairviewmicrowave.com/sma-female-sma-female-cable-rg316-coax-fmc1213315-6-p.aspx)

URL: <http://www.fairviewmicrowave.com/sma-female-sma-female-cable-rg316-coax-fmc1213315-6-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.



<b>FAIRVIEW MICROWAVE INC.</b> 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 SMA Female Bulkhead to SMA Female Cable RG-316 Coax in 6 Inch		DWG NO FMC1213315-XX		CAGE CODE 3FKR5	
CAD FILE	103014	SHEET	SCALE	N/A	SIZE A 5568