SMA Female Bulkhead to RA SMC Male Cable RG-316 Coax in 6 Inch with LF Solder

FMC1228315LF-06

Configuration

- Connector 1: SMA Female Bulkhead
- Connector 2: SMC Male Right Angle
- Cable Type: RG-316
- Coax Flex Type: Flexible

Features

- Max Frequency 3 GHz
- 70% Phase Velocity
- FEP Jacket

Applications

- General Purpose
- Laboratory Use

Description

The SMA female bulkhead to RA SMC male 6 inch cable using RG-316 coax, part number FMC1228315LF-06, from Fairview Microwave is in-stock and ships same day. This Fairview SMA to SMC cable assembly has a female to male 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 FMC1228315LF-06 SMA female to SMC male cable assembly operates to 3 GHz. The right angle SMC interface on the RG-316 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			1.35:1	
Velocity of Propagation		70		%
Capacitance		32 [104.99]		pF/ft [pF/m]

Mechanical Specifications

Cable Assembly

Length	6 in [152.4 mm]

Cable

Cable Type	RG-316
Impedance	50 Ohms
Inner Conductor Type	Stranded

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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]

Connectors

Description	Connector 1	Connector 2
Type	SMA Female Bulkhead	SMC Male Right Angle
Impedance	50 Ohms	50 Ohms
Configuration	Straight	Right Angle
Color	Silver	
Contact Material and Plating	Beryllium Copper, Gold	Beryllium Copper, Gold
Contact Plating Specification	50µ in. minimum	50µ in. minimum
Dielectric Type	PTFE	PTFE
Body Material and Plating	Brass, Gold	Brass, Gold
Body Plating Specification	3µ in. minimum	3µ in. minimum

Environmental Specifications

Operating Range Temperature	-20 to +80 deg C

Compliance Certifications (see product page for current document)

Plotted and Other Data

Notes:

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Typical Performance Data

How to Order

Part Number Configuration: **FMC1228315LF - xx uu**

- **uu** — Unit of Measure:
  - cm = Centimeters
  - <blank> = Inches
- **xx** — Length
- **FMC1228315LF** — Base Number

Example: FMC1228315LF-12 = 12 inches long cable
FMC1228315LF-100cm = 100 cm long cable

SMA Female Bulkhead to RA SMC Male Cable RG-316 Coax in 6 Inch with LF Solder 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 SMC Male Cable RG-316 Coax in 6 Inch with LF Solder FMC1228315LF-06

URL: https://www.fairviewmicrowave.com/standard-sma-female-ra-smc-male-cable-rg316-coax-fmc1228315lf-06-p.aspx

The information contained within 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 impliment 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 liability arising out of the use of any part or document.

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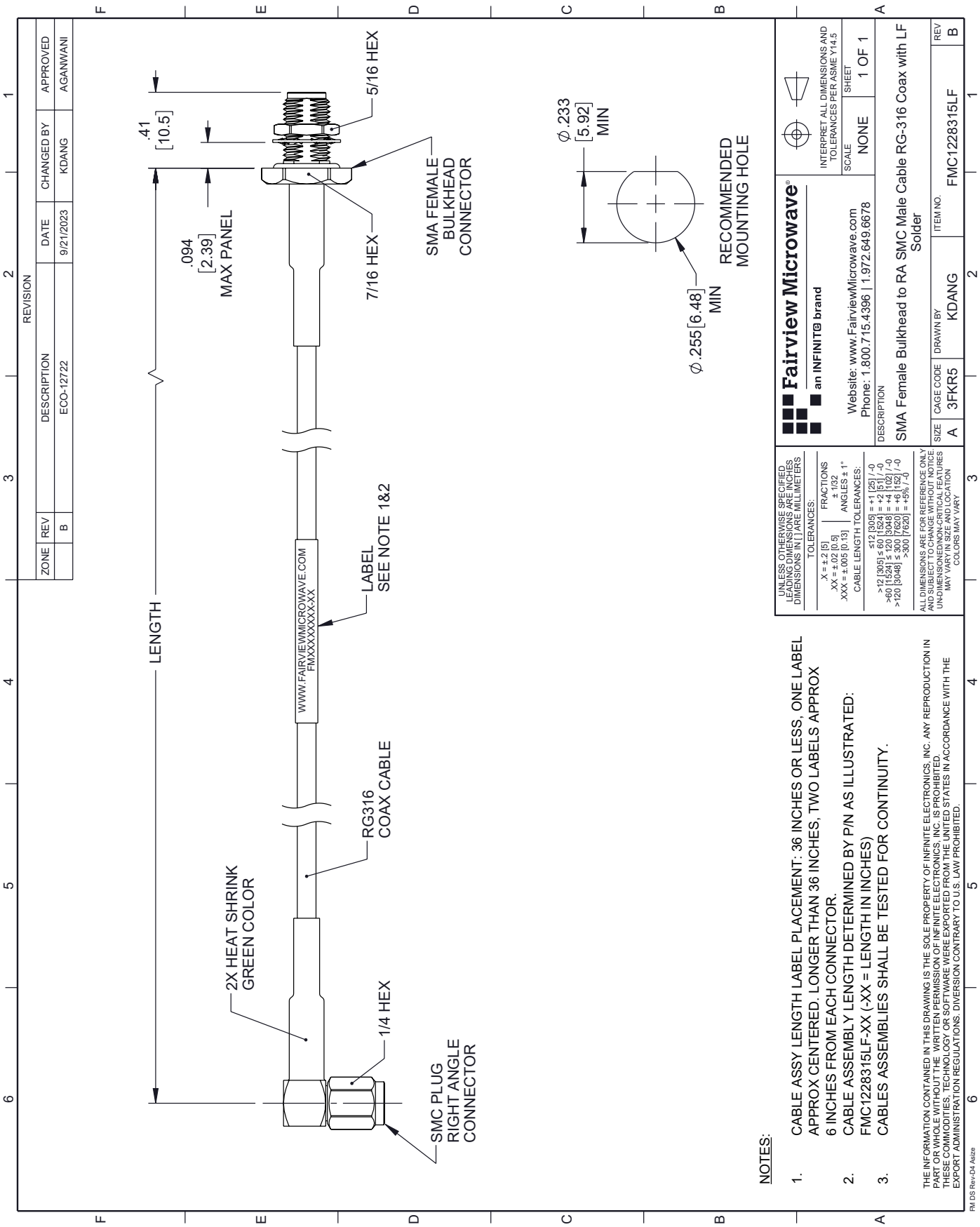
FMC1228315LF-06 CAD Drawing

SMA Female Bulkhead to RA SMC Male Cable RG-316 Coax in 6 Inch with LF Solder



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