



RA SMA Male to SMA Female Bulkhead Cable FM-SR141TB Coax with LF Solder

The RA SMA male to SMA female bulkhead cable using FM-SR141TB coax, part number FMCA2115, from Fairview Microwave is in-stock and ships same day. This Fairview SMA to SMA cable assembly has a male to female gender configuration with 50 ohm formable FM-SR141TB coax. Fairview Microwave's formable RF cable assemblies provide an alternative to costly pre-formed semi-rigid assemblies since they are hand formable. The FMCA2115 SMA male to SMA female cable assembly operates to 10 GHz. The right angle SMA interface on the FM-SR141TB 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	Min	Т	ур	Max	ι	Jnits
Frequency Range	DC			10		GHz
VSWR				1.4:1		
Velocity of Propagation		69	9.5			%
RF Shielding	100					dB
Group Delay		1.43 [4.69]		ns/f	ns/ft [ns/m]	
Capacitance		29 [95.14]		pF/f	pF/ft [pF/m]	

Performance by Frequency

Description	F1	F2	F3	F4	F5	Units
Frequency	0.5	1	2.5	5	10	GHz
Insertion Loss (Typ.)	0.08	0.12	0.18	0.29	0.45	dB
	0.26	0.39	0.59	0.95	1.48	

Electrical Specification Notes:

Insertion Loss does not include the loss of the connectors. Insertion Loss is estimated as 0.1 dB for the straight connector and 0.2 dB for the right angle connector.

Mechanical Specifications

Cable Assembly

Length* 0 in [0 mm]
Diameter 0.433 in [11 mm]

Cable

Cable Type Impedance Inner Conductor Type FM-SR141TB 50 Ohms Solid



Configuration:

- SMA Male Right Angle
- SMA Female Bulkhead
- FM-SR141TB

Features:

- Max Frequency 10 GHz
- Shielding Effectivity > 100 dB
- 69.5% Phase Velocity
- Dimensionally and electrically the same as standard, solid outer conductor semi-rigid coax
- Cable may be formed by hand and does not require special tools to bend
- May be formed more than once without damaging the outer conductor
- High RF Shielding >100 dB
- 100% Hi-pot and continuity tested
- 100% VSWR tested to max frequency of assembly
- Standard and custom lengths ship the same day

Applications:

- General Purpose
- Laboratory Use

Fairview Microwave 301 Leora Ln., Suite 100 Lewisville, TX 75056

Tel: 1-800-715-4396 / (972) 649-6678

Fax: (972) 649-6689 www.fairviewmicrowave.com sales@fairviewmicrowave.com





Inner Conductor Material and Plating

Dielectric Type

Outer Conductor Material and Plating

Outer Conductor Diameter

Copper, Silver

PTFE

Tinned Copper Composite Braid

0.141 in [3.58 mm]

One Time Minimum Bend Radius Repeated Minimum Bend Radius

0.315 in [8 mm] 1.57 in [39.88 mm]

Connectors

Description	Connector 1	Connector 2
Туре	SMA Male	SMA Female
Mount Method		Bulkhead
Impedance	50 Ohms	50 Ohms
Contact Material & Plating	Brass, Gold	Beryllium Copper, Gold
Dielectric Type	PTFE	PTFE
Body Material & Plating	Brass, Gold	Brass, Gold
Coupling Nut Material & Pla	ating Passivated Stainless S	teel
Hex Size	5/16 in.	
Torque	8 in-lbs 0.9 Nm	

Mechanical Specification Notes:

Compliance Certifications (see product page for current document)

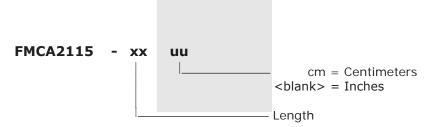
Plotted and Other Data

Notes:

Values at 25°C, sea level.

How to Order

Part Number Configuration:



Example: FMCA2115-12 = 12 inches long cable

FMCA2115-100cm = 100 cm long cable

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^{*}All cable assemblies have a length tolerance of 1.5% or \pm 3/8", whichever is greater.





RA SMA Male to SMA Female Bulkhead Cable FM-SR141TB Coax with LF Solder 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: RA SMA Male to SMA Female Bulkhead Cable FM-SR141TB Coax with LF Solder FMCA2115

The information contained in this document is accurate to the best of our knowledge and representative of the part

URL: https://www.fairviewmicrowave.com/ra-sma-male-sma-female-cable-fm-sr141tb-coax-fmca2115-p.aspx

described here	ein. It may be necessar	y to make modifi	cations to the part a	ind/or th	ne documentation of the part	, in order
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