



RA SMP Female to SMA Female Bulkhead Cable FM-SR086TBJ Coax

The RA SMP female to SMA female bulkhead cable using FM-SR086TBJ coax, part number FMCA3202, from Fairview Microwave is in-stock and ships same day. This Fairview SMP to SMA cable assembly has a female to female gender configuration with 50 ohm formable FM-SR086TBJ coax. Fairview Microwave's formable RF cable assemblies provide an alternative to costly pre-formed semirigid assemblies since they are hand formable. The FMCA3202 SMP female to SMA female cable assembly operates to 18 GHz. The right angle SMP interface on the FM-SR086TBJ 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			18		GHz
VSWR				1.4:1		
Velocity of Propagation		6	9.5			%
RF Shielding	100					dB
Group Delay		1.43	[4.69]		ns/f	t [ns/m]
Capacitance		29 [95.14]		pF/f	t [pF/m]
DC Resistance Inner Cor	nductor	65.7 [215.55		Ω/100	0ft [Ω/Km]
DC Resistance Outer Cor	nductor	10.2	[33.46]		Ω/100	0ft [Ω/Km]

Performance by Frequency

Description	F1	F2	F3	F4	F5	Units
Frequency	1	2	4.5	9	18	GHz
Insertion Loss (Typ.	0.225	0.306	0.508	0.759	1.122	dB/ft
	0.74	1	1.67	2.49	3.68	dB/m

Electrical Specification Notes:

Insertion Loss does not include the loss of the connectors. Insertion Loss is estimated as 0.1 dB for the SMA connector and 0.2 dB for the SMP connector.

Mechanical Specifications

Cable Assembly

Weight 0.03 lbs [13.61 g]

Cable

Cable Type Impedance Inner Conductor Type FM-SR086TBJ 50 Ohms Solid



Configuration:

- SMP Female Right Angle
- SMA Female Bulkhead
- FM-SR086TBJ

Features:

- Max Frequency 18 GHz
- Shielding Effectivity > 100 dB
- 69.5% Phase Velocity
- FEP Jacket

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 Number of Shields

Outer Conductor Material and Plating

Jacket Material

Jacket Diameter

Copper Clad Steel, Silver

PTFE 1

Tinned Copper Composite Braid

FEP, Black

0.105 in [2.67 mm]

One Time Minimum Bend Radius

Repeated Minimum Bend Radius

0.5 in [12.7 mm] 0.787 in [19.99 mm]

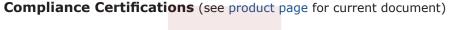
Connectors

Description	Connector 1	Connector 2
Туре	SMP Female	SMA Female
Mount Method		Bulkhead
Specification	MIL-STD-348	
Impedance	50 Ohms	50 Ohms
Contact Material & Plating	Beryllium Copper, G	old Beryllium Copper, Gold
Contact Plating Spec.	MIL-G-45204	
Dielectric Type	PTFE	PTFE
Outer Cond Material & Plati	ng Beryllium Copper, G	old Brass, Gold
Outer Cond Plating Spec.	MIL-G-45204	
Body Material & Plating		Brass, Gold

Environmental Specifications Temperature

Operating Range

-55 to +125 deg C



Plotted and Other Data Notes:

How to Order

Part Number Configuration:

FMCA3202 - xx

cm = Centimeters
<black</pre>

– Length

Example: FMCA3202-12 = 12 inches long cable

FMCA3202-100cm = 100 cm long cable





RA SMP Female to SMA Female Bulkhead Cable FM-SR086TBJ 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: RA SMP Female to SMA Female Bulkhead Cable FM-SR086TBJ Coax FMCA3202

URL: https://www.fairviewmicrowave.com/ra-smp-female-to-sma-female-bulkhead-cable-fm-sr086tbj-coax-fmca3202-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 implem	ent improvem	ents. Fairviev	Microw	ave reserve	es the righ	it to mak	e such	changes	as req	uired. I	Jnless	otherwise
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	of the part de				purpose,	and Fair	view M	icrowave	does	not ass	ume ar	ny liability
arising ou	t of the use of	any part or d	ocument	ation.								

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