

FMCA2134 DATA SHEET

RA SMA Male to N Female Bulkhead Cable FM-SR086TBJ Coax

The RA SMA male to type N female bulkhead cable using FM-SR086TBJ coax, part number FMCA2134, from Fairview Microwave is in-stock and ships same day. This Fairview SMA to type N cable assembly has a male 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 semi-rigid assemblies since they are hand formable. The FMCA2134 SMA male to type N female cable assembly operates to 10 GHz. The right angle SMA interface on the FM-SR086TBJ cable allows for easier connections in tight spaces. Our RF cable assembly with type N 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

Min	т	ур	Max	ι	Inits
DC			10		GHz
			1.4:1		
	6	9.5			%
100					dB
	1.43	[4.69]		ns/f	t [ns/m]
	29 [9	95.14]		pF/f	t [pF/m]
nductor	65.7 [215.55	5]	Ω/100	0ft [Ω/Km]
nductor	10.2	[33.46]	Ω/100	0ft [Ω/Km]
	DC	DC 69 100 1.43 29 [9 nductor 65.7 [DC 69.5 100 1.43 [4.69] 29 [95.14] ductor 65.7 [215.55	DC 10 DC 10 1.4:1 69.5 100 1.43 [4.69] 29 [95.14] 29 [95.14] nductor 65.7 [215.55]	DC 10 1.4:1 69.5 100 1.43 [4.69] 29 [95.14] pF/ff nductor 65.7 [215.55] Ω/100

Description	F1	F2	F3	F4	F5	Units
Frequency	0.5	1	2.5	5	10	GHz
Insertion Loss (Typ.)	0.15	0.224	0.346	0.549	0.811	dB
	0.49	0.73	1.14	1.8	2.66	

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* Diameter

0 in [0 mm] 0.866 in [22 mm]



Configuration:

- SMA Male Right Angle
- N Female Bulkhead
- FM-SR086TBJ

Features:

- Max Frequency 10 GHz
- Shielding Effectivity > 100 dB
- 69.5% Phase Velocity
- FEP Jacket
- 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 Fairview Microwave





Cable

Cable Type Impedance Inner Conductor Type Inner Conductor Material and Plating Dielectric Type Outer Conductor Material and Plating Jacket Material Jacket Diameter

FM-SR086TBJ 50 Ohms Solid Copper Clad Steel, Silver PTFE 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	Connecto	r 2		
Туре	SMA Male	N Femal	e		
Mount Method		Bulkhea	d		
Impedance	50 Ohms	50 Ohm	S		
Contact Material & Plating	Brass, Gold over NickelPhosphor Bronze, Gold over Nickel				
Contact Plating Spec.	0.2 µin minimun	ı			
Dielectric Type	PTFE	PTFE			
Body Material & Plating	Brass, Gold over Ni	ckel Brass, Nicl	kel		
Body Plating Spec.	0.1 µin minimun	ı			
Coupling Nut Material & Pla	ating Passivated Stainless	Steel			
Hex Size	5/16 inch				
Torque	8 in-lbs 0.9 Nm	ı			

Mechanical Specification Notes:

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

Compliance Certifications (see product page for current document)

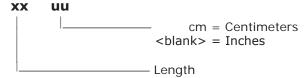
Plotted and Other Data

- Notes:
- Values at 25°C, sea level.

How to Order

Part Number Configuration:

FMCA2134 - xx



Example: FMCA2134-12 = 12 inches long cable FMCA2134-100cm = 100 cm long cable

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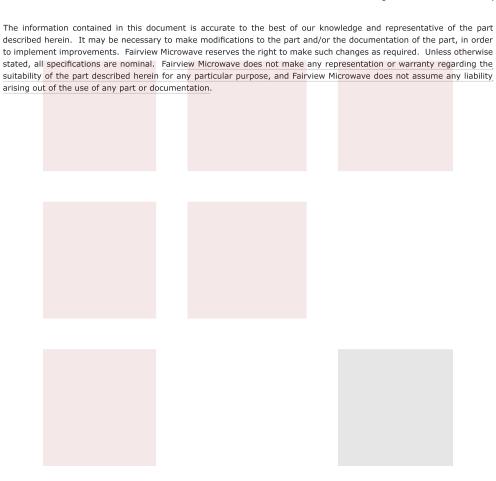




RA SMA Male to N Female Bulkhead Cable FM-SR086TBJ Coax from Fairview Microwave has same day shipment for domestic and International orders. Our RF, microwave and fiber optic products maintain a 99% availability and are part of the broadest selection in the industry.

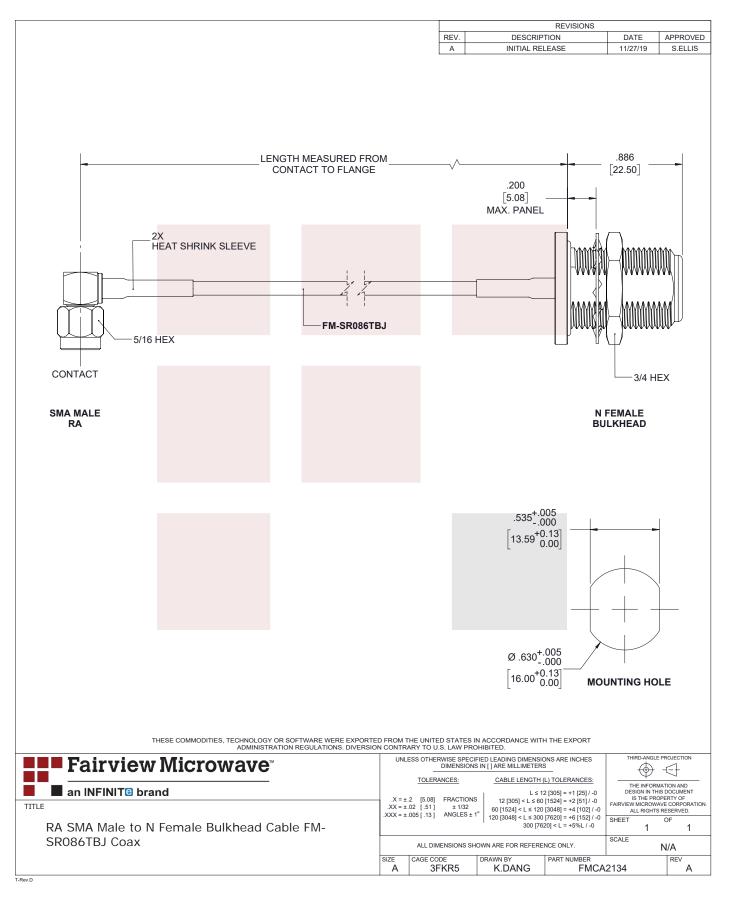
Click the following link to obtain additional part information: RA SMA Male to N Female Bulkhead Cable FM-SR086TBJ Coax FMCA2134

URL: https://www.fairviewmicrowave.com/ra-sma-male-n-female-cable-fm-sr086tbj-coax-fmca2134-p.aspx



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