

RA SMA Male to N Female Bulkhead Cable FM-SR141TBJ Coax with LF Solder, 90 Degree Clocking

The RA SMA male to type N female bulkhead cable using FM-SR141TBJ coax, part number FMCA3257/0201, 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-SR141TBJ coax. Fairview Microwave's formable RF cable assemblies provide an alternative to costly pre-formed semi-rigid assemblies since they are hand formable. The FMCA3257/0201 SMA male to type N female cable assembly operates to 10 GHz. The right angle SMA interface on the FM-SR141TBJ 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

Description	Min	Typ	Max	Units
Frequency Range	DC		10	GHz
VSWR			1.5:1	
Velocity of Propagation		70		%
RF Shielding	100			dB
Group Delay		1.43 [4.69]		ns/ft [ns/m]
Capacitance		29 [95.14]		pF/ft [pF/m]
Operating Voltage (AC)			1,900	Vrms

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	0.183	0.29	0.45	dB/ft
	0.26	0.39	0.6	0.95	1.48	dB/m

Electrical Specification Notes:

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

Mechanical Specifications

Cable Assembly

Weight 0.14 lbs [63.5 g]

Cable

Cable Type FM-SR141TBJ
 Impedance 50 Ohms
 Inner Conductor Type Solid
 Inner Conductor Material and Plating Copper Clad Steel, Silver
 Dielectric Type PTFE



Configuration:

- SMA Male Right Angle
- N Female Bulkhead
- FM-SR141TBJ

Features:

- Max Frequency 10 GHz
- Shielding Effectivity > 100 dB
- 70% Phase Velocity
- FEP Jacket

Applications:

- General Purpose
- Laboratory Use

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Number of Shields 1
 Shield Layer 1 Tinned Copper Braid
 Jacket Material FEP, Black
 Jacket Diameter 0.161 in [4.09 mm]

One Time Minimum Bend Radius 0.315 in [8 mm]
 Repeated Minimum Bend Radius 1.575 in [40.01 mm]

Connectors

Description	Connector 1	Connector 2
Type	SMA Male	N Female
Mount Method		Bulkhead
Impedance	50 Ohms	50 Ohms
Contact Material & Plating	Brass, Gold	Phosphor Bronze, Gold over Nickel
Dielectric Type	PTFE	PTFE
Outer Cond Material & Plating		Brass, Nickel
Body Material & Plating	Brass, Gold	Brass, Nickel
Coupling Nut Material & Plating	Passivated Stainless Steel	
Hex Size	5/16 in.	
Torque	8 in-lbs 0.9 Nm	

Environmental Specifications

Temperature

Operating Range -65 to +150 deg C

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: **FMCA3257/0201 - xx uu**

cm = Centimeters
 <blank> = Inches
 Length

Example: FMCA3257/0201-12 = 12 inches long cable
 FMCA3257/0201-100cm = 100 cm long cable

RA SMA Male to N Female Bulkhead Cable FM-SR141TBJ Coax with LF Solder, 90 Degree Clocking 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 SMA Male to N Female Bulkhead Cable FM-SR141TBJ Coax with LF Solder, 90 Degree Clocking FMCA3257/0201](https://www.fairviewmicrowave.com/ra-sma-male-to-n-female-bulkhead-cable-fm-sr141tbj-coax-with-lf-solder-90-degree-clocking-fmca3257-0201)

URL: <https://www.fairviewmicrowave.com/ra-sma-male-to-n-female-bulkhead-cable-fm-sr141tbj-coax-with-lf-solder-90-degree-clocking-fmca3257-0201-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.



