



Push-On SMP Female to SMA Female Bulkhead Cable FM-SR086TB Coax

The SMP female push-on to SMA female bulkhead cable using FM-SR086TB coax, part number FMCA3199, 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-SR086TB coax. Fairview Microwave's formable RF cable assemblies provide an alternative to costly pre-formed semirigid assemblies since they are hand formable. The FMCA3199 SMP female to SMA female cable assembly operates to 18 GHz. 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

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Description	Min	Т	ур	Max	ι	Inits
Frequency Range	DC			18		GHz
VSWR				1.4:1		
Velocity of Propagation		6	9.5			%
Capacitance		29 [9	95.14]		pF/fl	t [pF/m]
DC Resistance Inner Cor	nductor	65.7 [215.55]		Ω/100	Oft [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 straight connector.

Mechanical Specifications

Cable Assembly

Weight 0.03 lbs [13.61 q]

Cable

Cable Type
Impedance
Inner Conductor Type
Inner Conductor Material and Plating
Dielectric Type
Number of Shields
Outer Conductor Material and Plating

FM-SR086TB 50 Ohms Solid

Copper Clad Steel, Silver

PTFE

Copper, Tin



Configuration:

- Push-OnSMP Female
- SMA Female Bulkhead
- FM-SR086TB

Features:

- Max Frequency 18 GHz
- 69.5% Phase Velocity

Applications:

- General Purpose
- Laboratory Use

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Repeated Minimum Bend Radius

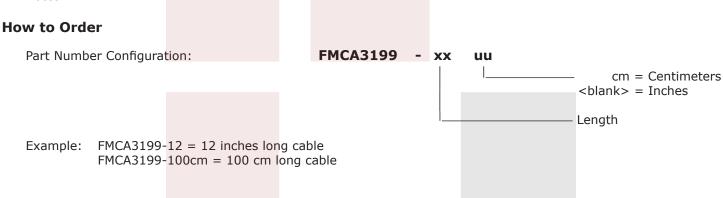
0.78 in [19.81 mm]

Connectors

Description	Connector 1	Connector 2	
Туре	SMP Female	SMA Female	
Mount Method		Bulkhead	
Specification	MIL-STD-348A		
Impedance	50 Ohms	50 Ohms	
Connection Method	Push-On		
Contact Material & Plating	Beryllium Copper, Gol	d Beryllium Copper, Gold	
Contact Plating Spec.	30 µin minimum		
Dielectric Type	PTFE	PTFE	
Outer Cond Material & Platin	ng Beryllium Copper, Gol	d Brass, Gold	
Outer Cond Plating Spec.	3 µin minimum		
Body Material & Plating		Brass, Gold	

Compliance Certifications (see product page for current document)

Plotted and Other Data Notes:



Push-On SMP Female to SMA Female Bulkhead Cable FM-SR086TB 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: Push-On SMP Female to SMA Female Bulkhead Cable FM-SR086TB Coax FMCA3199

URL: https://www.fairviewmicrowave.com/push-on-smp-female-to-sma-female-bulkhead-cable-fm-sr086tb-coax-fmca3199-p.aspx

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