

RA SMP Female to RA SMP Female Cable FM-SR047TB Coax, 270 Degree Clocking

The RA SMP female to RA SMP female cable using FM-SR047TB coax, part number FMCA3256/0602, from Fairview Microwave is in-stock and ships same day. This Fairview SMP to SMP cable assembly has a female to female gender configuration with 50 ohm formable FM-SR047TB coax. Fairview Microwave's formable RF cable assemblies provide an alternative to costly pre-formed semi-rigid assemblies since they are hand formable. The FMCA3256/0602 SMP female to SMP female cable assembly operates to 18 GHz. The right angle SMP interfaces on the FM-SR047TB cable allow for easier connections in tight spaces.

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.



Configuration:

- SMP Female Right Angle
- SMP Female Right Angle
- FM-SR047TB

Features:

- Max Frequency 18 GHz
- 69.5% Phase Velocity

Applications:

- General Purpose
- Laboratory Use

Electrical Specifications

Description	Min	Typ	Max	Units
Frequency Range	DC		18	GHz
VSWR			1.4:1	
Velocity of Propagation		69.5		%
Capacitance		32 [104.99]		pF/ft [pF/m]
DC Resistance Inner Conductor		207 [679.13]		$\Omega/1000ft$ [Ω/Km]
DC Resistance Outer Conductor		8 [26.25]		$\Omega/1000ft$ [Ω/Km]

Performance by Frequency

Description	F1	F2	F3	F4	F5	Units
Frequency	1	2	4.5	9	18	GHz
Insertion Loss (Typ.)	0.36	0.505	0.807	1.196	1.8	dB/ft
	1.18	1.66	2.65	3.92	5.91	dB/m

Electrical Specification Notes:

Insertion Loss does not include the loss of the connectors. Insertion Loss is estimated as 0.2 dB per connector.

Mechanical Specifications

Cable Assembly

Weight 0.01 lbs [4.54 g]

Cable

Cable Type FM-SR047TB
 Impedance 50 Ohms
 Inner Conductor Type Solid
 Inner Conductor Material and Plating Copper Clad Steel, Silver
 Dielectric Type PTFE
 Number of Shields 1
 Outer Conductor Material and Plating Tinned Copper Braid

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Connectors

Description	Connector 1	Connector 2
Type	SMP Female	SMP Female
Specification	MIL-STD-348	MIL-STD-348
Impedance	50 Ohms	50 Ohms
Contact Material & Plating	Beryllium Copper, Gold	Beryllium Copper, Gold
Contact Plating Spec.	MIL-G-45204	MIL-G-45204
Dielectric Type	PTFE	PTFE
Outer Cond Material & Plating	Beryllium Copper, Gold	Beryllium Copper, Gold
Outer Cond Plating Spec.	MIL-G-45204	MIL-G-45204

Environmental Specifications

Temperature

Operating Range -40 to +100 deg C

Compliance Certifications (see [product page](#) for current document)

Plotted and Other Data

Notes:

How to Order

Part Number Configuration: **FMCA3256/0602 - xx uu**

cm = Centimeters
<blank> = Inches

Length

Example: FMCA3256/0602-12 = 12 inches long cable
FMCA3256/0602-100cm = 100 cm long cable

RA SMP Female to RA SMP Female Cable FM-SR047TB Coax, 270 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 SMP Female to RA SMP Female Cable FM-SR047TB Coax, 270 Degree Clocking FMCA3256/0602](#)

URL: <https://www.fairviewmicrowave.com/ra-smp-female-to-ra-smp-female-cable-fm-sr047tb-coax-270-degree-clocking-fmca3256-0602-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.

