

RP SMA Female to RP SMA Female Cable
LMR-240 Coax in 12 Inch

Electrical Specifications

Description	Min	Typ	Max	Units
Frequency Range	DC		6	GHz
VSWR			1.4:1	
Velocity of Propagation		84		%
RF Shielding	90			dB
Group Delay		1.21 [3.97]		ns/ft [ns/m]
Capacitance		24.2 [79.4]		pF/ft [pF/m]
Inductance		0.06 [0.2]		uH/ft [uH/m]
DC Resistance Inner Conductor		3.2 [10.5]		Ω /1000ft [Ω /Km]
DC Resistance Outer Conductor		3.89 [12.76]		Ω /1000ft [Ω /Km]
Jacket Spark			5,000	Vrms

Mechanical Specifications

Cable Assembly

Length	12 in [304.8 mm]
Diameter	0.312 in [7.92 mm]
Weight	0.054 lbs [24.49 g]
Cable Color	Black
Connection Type	In-Series
One Time Minimum Bend Radius	0.75 in [19.05 mm]
Repeated Minimum Bend Radius	2.5 in [63.5 mm]
Bending Moment	0.25 lbs/ft [0.37 Kg/m]
Flat Plate Crush	20 lbs/in [0.36 Kg/mm]
Tensile Strength	80 lbs [36.29 Kg]

Cable

Cable Type	LMR-240
Impedance	50 Ohms
Inner Conductor Type	Solid
Inner Conductor Material and Plating	Copper
Dielectric Type	PE (F)
Number of Shields	2
Shield Layer 1	Aluminum Tape
Shield Layer 2	Tinned Copper Braid
Jacket Material	PE
Jacket Diameter	0.24 in [6.1 mm]

Connectors

Description	Connector 1	Connector 2
Type	SMA Female Reverse Polarity	SMA Female Reverse
Polarity		
Impedance	50 Ohms	50 Ohms
Connection Method	Standard	Standard
Contact Material & Plating	Gold	Gold
Dielectric Type	PTFE	PTFE
Body Material & Plating	Brass, Gold	Brass, Gold



Configuration:

- SMA Female Reverse Polarity
- SMA Female Reverse Polarity
- LMR-240

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Environmental Specifications

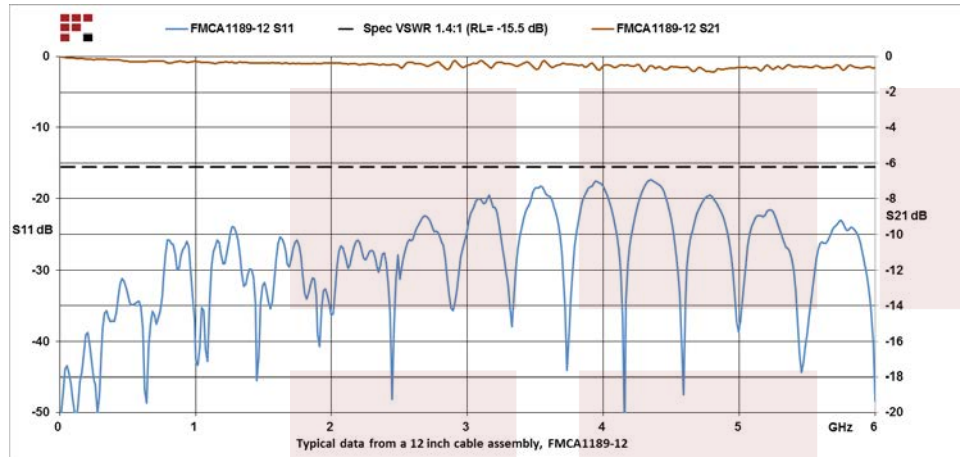
Compliance Certifications (visit www.FairviewMicrowave.com for current document)

Plotted and Other Data

Notes:

- Values at +25 °C, sea level

Typical Performance Data



How to Order

Part Number Configuration:

FMCA1189 - xx uu

cm = Centimeters

<blank> = Inches

Length

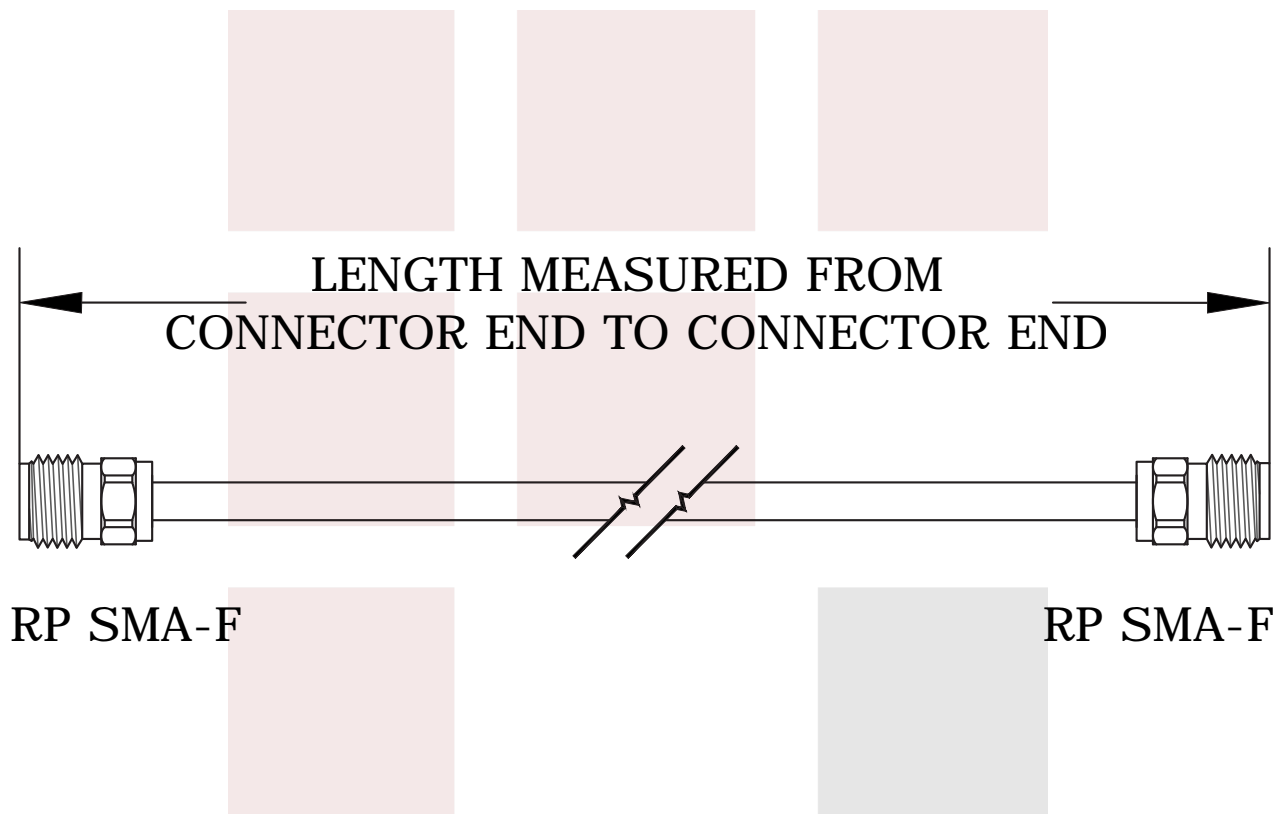
Example: FMCA1189-12 = 12 inches long cable
FMCA1189-100cm = 100 cm long cable

RP SMA Female to RP SMA Female Cable LMR-240 Coax in 12 Inch 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: [RP SMA Female to RP SMA Female Cable LMR-240 Coax in 12 Inch FMCA1189-12](http://www.fairviewmicrowave.com/sma-female-sma-female-cable-lmr240-coax-fmca1189-12-p.aspx)

URL: <http://www.fairviewmicrowave.com/sma-female-sma-female-cable-lmr240-coax-fmca1189-12-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.



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NOTES:
1. UNLESS OTHERWISE SPECIFIED ALL DIMENSIONS ARE NOMINAL.
2. ALL SPECIFICATIONS ARE SUBJECT TO CHANGE WITHOUT NOTICE AT ANY TIME.
3. DIMENSIONS ARE IN INCHES [mm].

TITLE
RP SMA Female to RP SMA Female Cable LMR-240
Coax in 12 Inch

DWG NO		FMCA1189		CAGE CODE	
				3FKR5	
CAD FILE	103014	SHEET	SCALE	N/A	SIZE
					A 5568