

## FMCA3276-12 DATA SHEET

# Low Loss RP SMA Plug to RP SMA Plug Cable TCOM-240 Coax in 12 Inch with Times Microwave Components

The RP SMA plug to RP SMA plug 12 inch cable using TCOM-240 coax, part number FMCA3276-12, from Fairview Microwave is in-stock and ships same day. This Fairview reverse polarity SMA to reverse polarity SMA cable assembly has a plug to plug gender configuration with 50 ohm flexible TCOM-240 coax. Fairview Microwave's flexible RF cable assemblies are ideal for applications where tight bends and continual flexure are required. The FMCA3276-12 reverse polarity SMA plug to reverse polarity SMA plug cable assembly operates to 2.5 GHz. The double shielding of this Fairview cable assembly provides excellent shielding effectiveness.

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	T	ур	Max	ι	Inits
Frequency Range	DC			2.5		GHz
VSWR				1.4:1		

## **Performance by Frequency**

Description	F1	F2	F3	F4	F5	Units
Frequency	0.25	0.5	1	2.5		GHz
Insertion Loss (Typ.)	0.24	0.26	0.28	0.33		dB

Electrical Specification Notes:

The Insertion Loss data above is based on the performance specifications of the coax and connectors used in this assembly. The Insertion Loss includes an estimated insertion loss of 0.1 dB per connector.

### **Mechanical Specifications**

## **Cable Assembly**

Length\* 12 in [304.8 mm] Weight 0.23 lbs [104.33 g]

### Cable

Cable Type
Impedance
Inner Conductor Type
Inner Conductor Material and Plating
Dielectric Type
Number of Shields
Shield Layer 1
Shield Layer 2
Jacket Material
Jacket Diameter

TCOM-240 50 Ohms Solid Copper PE (F)

Silver Plated Copper Braid Tinned Copper Braid

PE, Black

0.24 in [6.1 mm]



## **Configuration:**

- SMA Plug Reverse Polarity
- SMA Plug Reverse Polarity
- TCOM-240

## **Features:**

- Max Frequency 2.5 GHz
- Double Shielded
- PE Jacket
- 500 Mating Cycles

## **Applications:**

- General Purpose
- Laboratory Use

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#### **Connectors**

Description	Connector 1	Connector 2		
Туре	SMA Plug Threaded	SMA Plug Threaded		
Polarity	Reverse Polarity	Reverse Polarity		
Specification	MIL-STD-345	MIL-STD-345		
Impedance	50 Ohms	50 Ohms		
Mating Cycles	500	500		
Contact Material & Plating	Beryllium copper, Gold	Beryllium copper, Gold		
Body Material & Plating	Passivated Stainless Steel	Passivated Stainless Stee		
Coupling Nut Material & Plating	Passivated Stainless Steel	Passivated Stainless Steel		

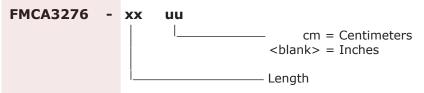
**Compliance Certifications** (see product page for current document)

## **Plotted and Other Data**

Notes:

#### **How to Order**

Part Number Configuration:



Example: FMCA3276-12 = 12 inches long cable

FMCA3276-100cm = 100 cm long cable

Low Loss RP SMA Plug to RP SMA Plug Cable TCOM-240 Coax in 12 Inch with Times Microwave Components 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: Low Loss RP SMA Plug to RP SMA Plug Cable TCOM-240 Coax in 12 Inch with Times Microwave Components FMCA3276-12

URL: https://www.fairviewmicrowave.com/low-loss-rp-sma-plug-to-rp-sma-plug-cable-tcom-240-coax-in-12-inch-with-times-microwave-components-fmca3276-12-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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