

## Low PIM SMA Male to SMA Male Cable TFT-5G-402 Coax in 60 Inch With Times Microwave Connectors with LF Solder



**FMC01105/0001-60**

### Configuration

- Connector 1: SMA Male
- Connector 2: SMA Male
- Cable Type: TFT-5G-402
- Coax Flex Type: Flexible

### Features

- Max Frequency 5.8 GHz
- Shielding Effectivity > 80 dB
- 76% Phase Velocity
- Double Shielded
- FEP Jacket

### Applications

- General Purpose
- Laboratory Use
- Low PIM Applications

### Description

The SMA male to SMA male 60 inch cable using TFT-5G-402 coax, part number FMC01105/0001-60, from Fairview Microwave is in-stock and ships same day. This Fairview SMA to SMA cable assembly has a male to male gender configuration with 50 ohm flexible TFT-5G-402 coax. Fairview Microwave's flexible RF cable assemblies are ideal for applications where tight bends and continual flexure are required. Our low PIM design offers excellent passive intermodulation performance. The FMC01105/0001-60 SMA male to SMA male cable assembly operates to 5.8 GHz. The double shielding of this Fairview cable assembly provides excellent shielding effectiveness of better than 80 dB.

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	Minimum	Typical	Maximum	Units
Frequency Range	DC		5.8	GHz
VSWR			1.4:1	
Velocity of Propagation		76		%
RF Shielding	80			dB
Capacitance		26.7 [87.6]		pF/ft [pF/m]

### Specifications by Frequency

Description	F1	F2	F3	F4	F5	Units
Frequency	0.25	0.5	1	2.5	5.8	GHz

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#### 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 0.1xSQRT(FGHZ) dB per connector.

#### Mechanical Specifications

##### Cable Assembly

Length	60 in [152.4 cm]
Width/Diameter	0.5 in [12.7 mm]
Weight	0.203 lbs [92.08 g]

##### Cable

Cable Type	TFT-5G-402
Impedance	50 Ohms
Inner Conductor Type	Solid
Inner Conductor Material and Plating	Copper
Dielectric Type	PTFE
Number of Shields	2
Outer Conductor 1 Material and Plating	Copper, Tin
Jacket Material	FEP, Blue
Jacket Diameter	0.16 in [4.06 mm]
One Time Minimum Bend Radius	0.75 in [19.05 mm]

#### Connectors

Description	Connector 1	Connector 2
Type	SMA Male	SMA Male
Impedance	50 Ohms	50 Ohms
Configuration	Straight	Straight
Contact Material and Plating	Brass, Silver	Brass, Silver
Contact Plating Specification	196µin minimum	196µin minimum
Dielectric Type	PTFE	PTFE
Body Material and Plating	Brass, Silver	Brass, Silver
Body Plating Specification	196µin minimum	196µin minimum
Coupling Nut Material and Plating	Brass, Tri-Metal	Brass, Tri-Metal
Coupling Nut Plating Specification	118µin minimum	118µin minimum
Torque	9 in-lbs 1.02 Nm	9 in-lbs 1.02 Nm

#### Environmental Specifications

Operating Range Temperature	-55 to +150 deg C
Ingress Protection (IP) Rating	IP 67 Rated
Shock	MIL-STD-202, Method 213, Condition I
Vibration	MIL-STD-202, Method 204, Condition B
Thermal Shock	MIL-STD-202, Method 107, Condition B

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**FMC01105/0001-60**

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

### Plotted and Other Data

Notes:

### Typical Performance Data

### How to Order

Part Number Configuration: **FMC01105/0001** - **xx** **uu**

Unit of Measure:  
cm = Centimeters  
<blank> = Inches  
Length  
Base Number

Example: FMC01105/0001-12 = 12 inches long cable  
FMC01105/0001-100cm = 100 cm long cable

Low PIM SMA Male to SMA Male Cable TFT-5G-402 Coax in 60 Inch With Times Microwave Connectors with LF Solder from Fairview Microwave is in-stock and available to ship same-day. All of our RF/microwave products are available off-the-shelf from our ISO 9001:2008 certified facilities in Lewisville, Texas. Fairview Microwave is RF on-demand.

For additional information on this product, please click the following link: [Low PIM SMA Male to SMA Male Cable TFT-5G-402 Coax in 60 Inch With Times Microwave Connectors with LF Solder FMC01105/0001-60](#)

URL: <https://www.fairviewmicrowave.com/low-pim-sma-male-to-sma-male-cable-tft-5g-402-coax-in-60-inch-with-times-microwave-connectors-with-lf-solder-fmc01105-0001-60-p.aspx>

The information contained within 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 liability arising out of the use of any part or document.

FMC01105/0001-60 CAD Drawing
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