

SMA Male Right Angle Low PIM Connector Solder Attachment for TFT-402, TFT-402-LF



TC-402-SM-RA-LP-LC

Configuration

- SMA Male Connector
- 50 Ohms
- Right Angle Body Geometry
- Connector Interface Types: TFT-402, TFT-402-LF
- Low PIM Design

Features

- Operating Frequency up to 6 GHz
- VSWR Rating of 1.3:1
- Brass Contact with 196 µm Silver Plating

Applications

- General Purpose Test
- Wireless Communications
- Custom Cable Assemblies
- Low PIM Applications
- Distributed Antenna Systems (DAS)

Description

L-com's SMA Male Right Angle Low PIM Connector Solder Attachment for TFT-402, TFT-402-LF uses a solder/solder attachment method. This Right Angle SMA connector is one of the many RF coaxial connectors available in L-com's product line and like all our products, ships the same day of purchase. Our SMA Male connector operates up to a maximum frequency of 6 GHz.

The specifications and a basic dimensional drawing for TC-402-SM-RA-LP-LC SMA Male can be found in this datasheet PDF. L-com's portfolio of RF and microwave connectors allows users to choose from a large number of options when building connectorized cable assemblies to fit their RF interconnect needs. RF cables can be created to fulfill many interconnect applications ranging from In the Box hookup, to connectivity with test equipment or as part of a system installation. In addition to our offering of RF connectors and coaxial cable, L-com also offers both standard and custom cable assemblies to fit your specific needs.

Electrical Specifications

Description	Minimum	Typical	Maximum	Units
Frequency Range	DC		6	GHz
VSWR			1.3:1	
Insertion Loss			0.15	dB
Operating Voltage (DC)			1,000	Vdc
Inner Conductor DC Resistance			3	mOhms
Outer Conductor DC Resistance			2.5	mOhms
Insulation Resistance	5,000			MOhms
Impedance		50		Ohms

Electrical Specification Notes:
Insertion Loss is $0.1 \cdot \sqrt{f(\text{GHz})}$

Mechanical Specifications

Size

Length	0.807 in [20.5 mm]
Width	0.37 in [9.40 mm]
Height	0.37 in [9.4 mm]
Weight	0.03 lbs [13.61 g]
Mating Torque	9.73 in-lbs [1.10 Nm]

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Material Specifications

Description	Material	Plating
Contact	Brass	Silver 5 µm
Insulation	PTFE	
Body	Brass	Tri-Metal 3 µm
Coupling Nut	Brass	Tri-Metal 3 µm
Gasket	Silicone Rubber	

Environmental Specifications

Temperature

Operating Range	-55 to +155 deg C
Shock	US MIL-STD 202, Meth. 213, Cond. I
Vibration	US MIL-STD 202, Meth. 204, Cond. B
Thermal Shock	US MIL-STD 202, Meth. 107, Cond. B

Environmental Specification Notes:
Weather Standard: TEC 60068 55/155/21

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

Plotted and Other Data

Notes:

SMA Male Right Angle Low PIM Connector Solder Attachment for TFT-402, TFT-402-LF from L-com has same day shipment for domestic and International orders. Our portfolio includes coaxial cable assemblies, connectors, adapters and custom products as well as lightning and surge protectors, NEMA rated enclosures, and an RF product line which includes antennas, amplifiers, passive, and active components.

URL: <https://www.l-com.com/sma-male-right-angle-low-pim-connector-solder-attachment-tft-402-tft-402-lf-tc-402-sm-ra-lp-lc-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. L-com reserves the right to make such changes as required. Unless otherwise stated, all specifications are nominal. L-com does not make any representation or warranty regarding the suitability of the part described herein for any particular purpose, and L-com does not assume liability arising out of the use of any part or document.

TC-402-SM-RA-LP-LC CAD Drawing

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