# N Female Low PIM Connector Solder Attachment for TFT-402, TFT-402-LF

## TC-402-NF-LP-LC

### Configuration

- N Female Connector
- 50 Ohms
- Straight Body Geometry
- Connector Interface Types: TFT-402, TFT-402-LF
- Low PIM Design

### Features

- Operating Frequency up to 6 GHz
- VSWR Rating of 1.25:1
- PIM levels better than -160 dBc
- Phosphor Bronze Contact with 196 µin Silver Plating

### Applications

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

### Description

L-com's N Female Low PIM Connector Solder Attachment for TFT-402, TFT-402-LF uses a solder/solder attachment method. This N 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 N Female connector operates up to a maximum frequency of 6 GHz.

The specifications and a basic dimensional drawing for TC-402-NF-LP-LC N Female 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 | | | 1.25:1 | |
| Passive Intermodulation | | | -160 | dBc |
| Operating Voltage (DC) | | | 1,000 | Vdc |
| Dielectric Withstanding Voltage (AC) | | | 1,000 | Vrms |
| Inner Conductor DC Resistance | | | 1 | mOhms |
| Outer Conductor DC Resistance | | | 1 | mOhms |
| Insulation Resistance | 5,000 | | | MOhms |
| Impedance | | 50 | | Ohms |

Electrical Specification Notes:
Insertion Loss is 0.1*sqrt(FGHz)

### Mechanical Specifications

**Size**

| | |
|---|---|
| Length | 1.712 in [43.48 mm] |
| Width | 0.5 in [12.7 mm] |

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## TC-402-NF-LP-LC

| | |
|---|---|
| Height | 0.5 in [12.7 mm] |
| Weight | 0.03 lbs [13.61 g] |
| Mating Cycles | 500 Cycles |
| Mating Torque | 10 in-lbs [[1.13 Nm]] |
| Cable Retention Force | 101 lbs [45.81 kg] |

### Material Specifications

| Description | Material | Plating |
|---|---|---|
| Contact | Phosphor Bronze | Silver<br>5 µm |
| Insulation | PTFE | |
| Outer Conductor | Brass | Tri-Metal<br>3 µm |
| Body | Brass | Tri-Metal<br>3 µm |

### Environmental Specifications

**Temperature**

| | |
|---|---|
| Operating Range | -55 to +125 deg C |
| Humidity | MIL-STD 202, Meth. 106 |
| Shock | MIL-STD 202, Meth. 213, Cond. I |
| Vibration | MIL-STD 202, Meth. 204, Cond. D |

Environmental Specification Notes:
Corrosion: MIL-STD 202, Meth. 101, Cond. B

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

### Plotted and Other Data

Notes:

N Female 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/n-female-low-pim-connector-solder-attachment-tft-402-tft-402-lf-tc-402-nf-lp-lc.html

# TC-402-NF-LP-LC CAD Drawing

N Female Low PIM Connector Solder Attachment for TFT-402, TFT-402-LF