

## 2.2-5 Female Low PIM Connector Solder Attachment for TFT-5G-402



### TC-402-225F-LP



## Times Microwave Systems Connector Specification

### Configuration

- 2.2-5 Female Connector
- 50 Ohms
- Straight Body Geometry
- Connector Interface Types: TFT-5G-402
- Low PIM Design

### Features

- Max. Operating Frequency 6 GHz
- Good VSWR of 1.3:1
- PIM levels lower than -160 dBc
- Silver Plated Beryllium Copper Contact
- 200 µin contact plating

### Applications

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

### Description

Pasternack's TC-402-225F-LP, 2.2-5, Low PIM, Connector is part of our full line of RF components available for same-day shipping. Our 2.2-5 female connector operates up to a maximum frequency of 6 GHz and offers good VSWR of 1.3:1. The 2.2-5 female connector also has low passive intermodulation of -160 dBc.

Our 2.2-5 female connector TC-402-225F-LP datasheet specifications and drawing with dimensions are shown below in this PDF. Pasternack's broad catalog of RF, microwave and millimeter wave connectors allows designers to configure and customize their signal connections however they like. Whether the need is to provide an I/O for a board design, or simply create a custom cable assembly configuration, Pasternack has the right connector for the job. Pasternack can also expertly build your custom cable assemblies for you and ship same-day.

### Electrical Specifications

Description	Minimum	Typical	Maximum	Units
Frequency Range	DC		6	GHz
VSWR			1.3:1	
Insertion Loss			0.24	dB
Passive Intermodulation			-160	dBc
Operating Voltage (DC)			1,500	Vdc
Insulation Resistance	5,000			MOhms
Impedance		50		Ohms

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

### Mechanical Specifications

#### Size

Length	1.1 in [27.94 mm]
Width	0.665 in [16.89 mm]
Height	0.665 in [16.89 mm]
Weight	0.03 lbs [13.61 g]

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### TC-402-225F-LP

Mating Cycles	100 Cycles
Mating Torque	26 in-lbs [[2.94 Nm]]
Cable Retention Force	33 lbs [14.97 kg]

### Material Specifications

Description	Material	Plating
Contact	Beryllium Copper	Silver 200 µin
Insulation	PTFE	
Outer Conductor	Beryllium Copper	Silver 100 µin
Body	Brass	Silver 100 µin

### Environmental Specifications

<b>Temperature</b>	
Operating Range	-40 to +125 deg C
Shock	MIL-STD 202G, Meth. 213, Cond. I
Vibration	MIL-STD 202G, Meth. 204, Cond. B
Thermal Shock	MIL-STD 202G, Meth. 107, Cond. B

Environmental Specification Notes:  
Climatic Class: IEC 60068 55/155/56

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

### Plotted and Other Data

Notes:

2.2-5 Female Low PIM Connector Solder Attachment for TFT-5G-402 from Pasternack Enterprises has same day shipment for domestic and International orders. Our RF, microwave and millimeter wave products maintain a 99.4% availability and are part of the broadest selection in the industry.

Click the following link (or enter part number in "SEARCH" on website) to obtain additional part information including price, inventory and certifications: [2.2-5 Female Low PIM Connector Solder Attachment for TFT-5G-402 TC-402-225F-LP](#)

URL: <https://www.pasternack.com/2.2-5-female-tft-402-connector-tc-402-225f-lp-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. Pasternack Enterprises reserves the right to make such changes as required. Unless otherwise stated, all specifications are nominal. Pasternack Enterprises does not make any representation or warranty regarding the suitability of the part described herein for any particular purpose, and Pasternack Enterprises does not assume liability arising out of the use of any part or document.

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