



7/16 DIN Female Low PIM Connector Solder Attachment for TFT-402, TFT-402-LF

RF Connectors Technical Data Sheet



TC-402-716F-LP

Times Microwave Systems Connector Specification

Configuration

- 7/16 DIN Female Connector
- 50 Ohms
- Straight Body Geometry
- Connector Interface Types: TFT-402, TFT-402-LF
- Low PIM Design

Features

- Max. Operating Frequency 6 GHz
- Excellent VSWR of 1.25:1
- PIM levels lower than -160 dBc
- Silver Plated Brass Contact
- 5 µm contact plating

Applications

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

Description

Pasternack's TC-402-716F-LP 7/16 DIN female connector with solder/solder attachment for TFT-402 and TFT-402-LF is part of our full line of RF components available for same-day shipping. Our 7/16 DIN female connector operates up to a maximum frequency of 6 GHz and offers excellent VSWR of 1.25:1. The 7/16 DIN female connector also has low passive intermodulation of -160 dBc.

Our 7/16 DIN female connector TC-402-716F-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			1.25:1	
Insertion Loss			0.1	dB
Passive Intermodulation			-160	dBc
Operating Voltage (DC)			1,000	Vdc
Inner Conductor DC Resistance			0.4	mOhms
Outer Conductor DC Resistance			1.5	mOhms
Insulation Resistance	5,000			MOhms

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

Click the following link (or enter part number in "SEARCH" on website) to obtain additional part information including price, inventory and certifications: [7/16 DIN Female Low PIM Connector Solder Attachment for TFT-402, TFT-402-LF TC-402-716F-LP](#)



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Mechanical Specifications

Size	
Length	1.425 in [36.2 mm]
Width/Dia.	0.5 in [12.70 mm]
Mating Torque	265 in-lbs [29.95 Nm]

Material Specifications

Description	Material	Plating
Contact	Brass	Silver 5 µm
Insulation	PTFE	
Outer Conductor	Brass	Tri-Metal 3 µm
Body	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 55/155/56

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

Plotted and Other Data

Notes:

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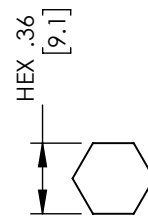
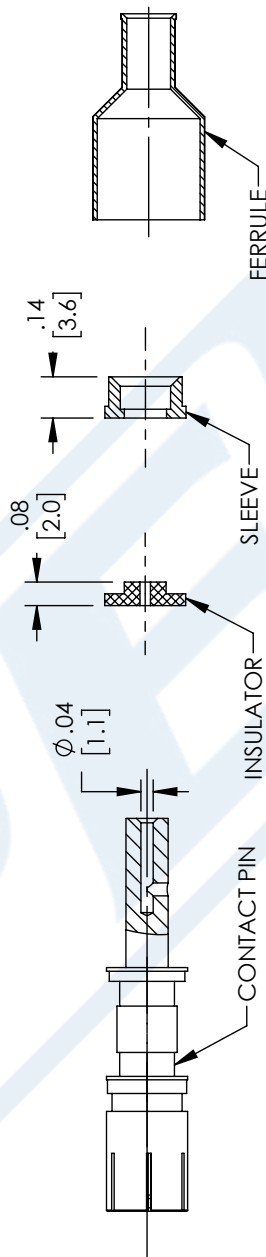
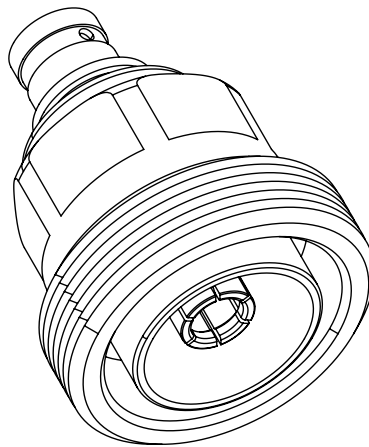
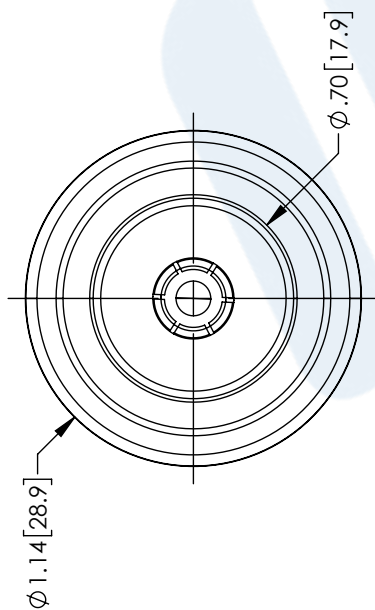
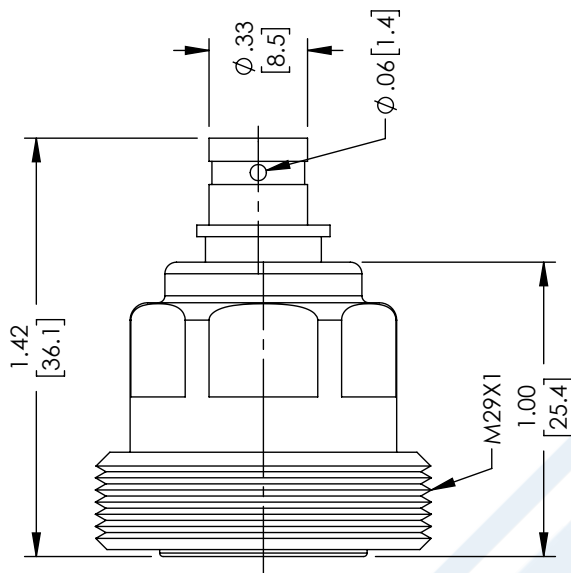
TC-402-716F-LP

7/16 DIN Female Low PIM Connector Solder Attachment for TFT-402, TFT-402-LF 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.

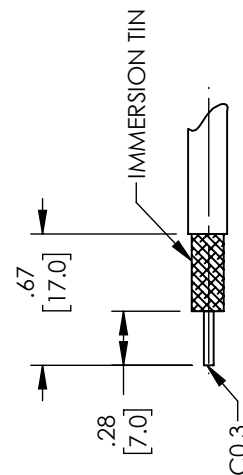
Click the following link (or enter part number in "SEARCH" on website) to obtain additional part information including price, inventory and certifications: [7/16 DIN Female Low PIM Connector Solder Attachment for TFT-402, TFT-402-LF TC-402-716F-LP](https://www.pasternack.com/7-16-din-female-tft-402-connector-tc-402-716f-lp-p.aspx)

URL: <https://www.pasternack.com/7-16-din-female-tft-402-connector-tc-402-716f-lp-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. Pasternack reserves the right to make such changes as required. Unless otherwise stated, all specifications are nominal. Pasternack does not make any representation or warranty regarding the suitability of the part described herein for any particular purpose, and Pasternack does not assume any liability arising out of the use of any part or documentation.



VICE JAW OF
OUTER CONDUCT



RECOMMENDED CABLE STRIPPING DIM'S

UNLESS OTHERWISE SPECIFIED
LEADING DIMENSIONS ARE INCHES
DIMENSIONS IN [] ARE MILLIMETERS

TOLERANCES:
 X = ±.2 [5.08] FRACTIONS
 .XX = ±.02 [.51] ±1/32
 .XXX = ±.005 [.13] ANGLES ±1°
 CABLE LENGTH (L) TOLERANCES:
 L ≤ 12 [305] = +1 [25] / -0
 12 [305] < L ≤ 60 [1524] = +2 [51] / -0
 60 [1524] < L ≤ 120 [3048] = +4 [102] / -0
 120 [3048] < L ≤ 300 [7620] = +6 [152] / -0
 300 [7620] < L = +5% / -0
 ALL DIMENSIONS SHOWN
 ARE FOR REFERENCE ONLY.



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SCALE 3:2

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