



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

### RF Connectors Technical Data Sheet



TC-402-716M-LP

### Times Microwave Systems Connector Specification

#### Configuration

- 7/16 DIN Male 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
- IP 67 Rated

#### Applications

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

#### Description

Pasternack's TC-402-716M-LP 7/16 DIN male 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 male connector operates up to a maximum frequency of 6 GHz and offers excellent VSWR of 1.25:1. The 7/16 DIN male connector also has low passive intermodulation of -160 dBc. The connector has an IP67 rating to protect against dust and temporary moisture protection under immersion conditions.

Our 7/16 DIN male connector TC-402-716M-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

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 Male Low PIM Connector Solder Attachment for TFT-402, TFT-402-LF TC-402-716M-LP](#)



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

#### Mechanical Specifications

##### Size

Length 1.141 in [28.98 mm]  
Width/Dia. 1.25 in [31.75 mm]

Mating Torque 265 in-lbs [29.95 Nm]

#### Material Specifications

Description	Material	Plating
Contact	Brass	Silver 5 $\mu\text{m}$
Insulation	PTFE	
Body	Brass	Tri-Metal 3 $\mu\text{m}$
Coupling Nut	Brass	Tri-Metal 3 $\mu\text{m}$
Gasket	Silicone Rubber	

#### Environmental Specifications

##### Temperature

Operating Range -55 to +155 deg C  
Ingress Protection (IP) Rating IP 67 Rated  
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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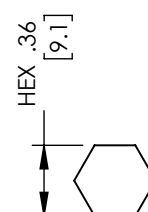
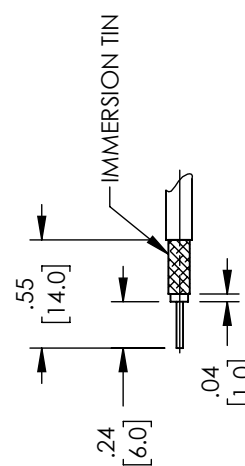
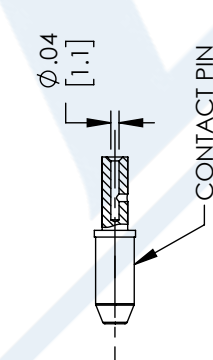
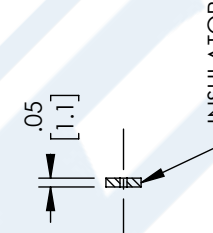
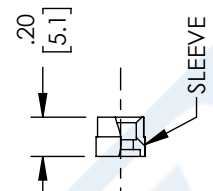
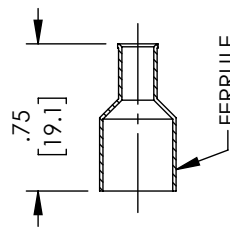
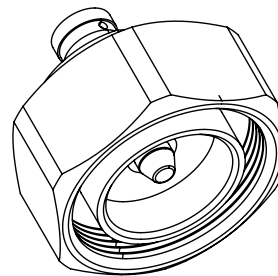
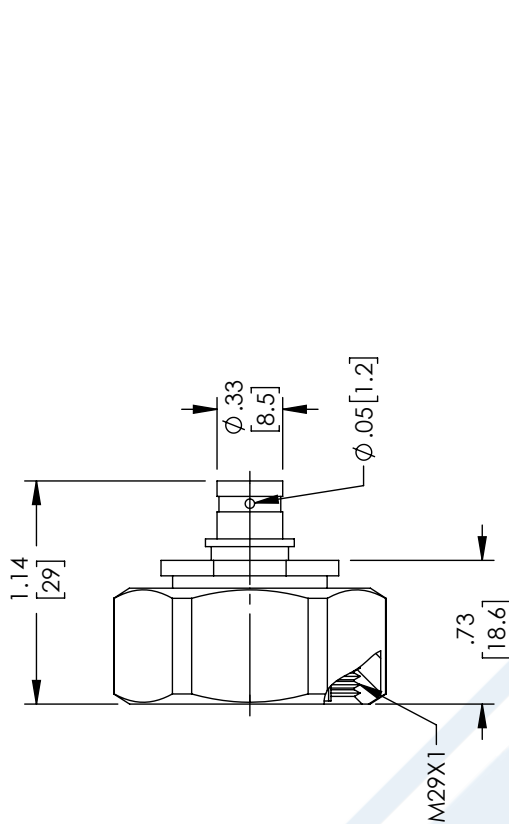
TC-402-716M-LP

7/16 DIN Male 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 Male Low PIM Connector Solder Attachment for TFT-402, TFT-402-LF TC-402-716M-LP](https://www.pasternack.com/7-16-din-male-tft-402-connector-tc-402-716m-lp-p.aspx)

URL: <https://www.pasternack.com/7-16-din-male-tft-402-connector-tc-402-716m-lp-p.aspx>

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VICE JAW OF  
OUTER CONDUCT

RECOMMENDED CABLE STRIPPING DIM'S

UNLESS OTHERWISE SPECIFIED LEADING DIMENSIONS ARE IN INCHES DIMENSIONS IN [ ] ARE MILLIMETERS	
TOLERANCES:	FRACTIONS
X = ± .2	[ .08 ]
.XX = ± .02	[ .51 ]
.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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