

7/16 DIN Male Right Angle Low PIM Connector Solder Attachment for TFT-5G-402

TC-402-716M-RA-LP



Times Microwave Systems Connector Specification

Configuration

- 7/16 DIN Male Connector
- 50 Ohms
- Right Angle 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 Brass 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-402-716M-RA-LP Right Angle, 7/16 DIN, Low PIM, Connector 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 good VSWR of 1.3:1. The 7/16 DIN male connector also has low passive intermodulation of -160 dBc. Its right angle body geometry allows for easier connections in tight spaces.

Our 7/16 DIN male right angle connector TC-402-716M-RA-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			0.12	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
Impedance		50		Ohms

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

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Mechanical Specifications

Size	
Length	1.377 in [34.98 mm]
Width	1.25 in [31.75 mm]
Height	1.25 in [31.75 mm]
Weight	0.03 lbs [13.61 g]
Mating Torque	265 in-lbs [[29.95 Nm]]

Material Specifications

Description	Material	Plating
Contact	Brass	Silver 200 µin
Insulation	PTFE	
Body	Brass	Tri-Metal 100 µin
Coupling Nut	Brass	Tri-Metal 100 µin

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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7/16 DIN Male Right Angle 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: [7/16 DIN Male Right Angle Low PIM Connector Solder Attachment for TFT-5G-402 TC-402-716M-RA-LP](https://www.pasternack.com/7-16-din-male-tft-402-connector-tc-402-716m-ra-lp-p.aspx)

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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.

TC-402-716M-RA-LP CAD Drawing
7/16 DIN Male Right Angle Low PIM Connector Solder Attachment for TFT-5G-402

