



## QMA Male Low PIM Connector Solder Attachment for TFT-402, TFT-402-LF

### RF Connectors Technical Data Sheet



TC-402-QM-LP

### Times Microwave Systems Connector Specification

#### Configuration

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

#### Features

- Max. Operating Frequency 3 GHz
- Excellent VSWR of 1.2:1
- 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-QM-LP QMA 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 QMA male connector operates up to a maximum frequency of 3 GHz and offers excellent VSWR of 1.2:1.

Our QMA male connector TC-402-QM-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		3	GHz
VSWR			1.2:1	
Insertion Loss			0.1	dB
Operating Voltage (DC)			1,000	Vdc
Inner Conductor DC Resistance			3	mOhms
Outer Conductor DC Resistance			2.5	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: [QMA Male Low PIM Connector Solder Attachment for TFT-402, TFT-402-LF TC-402-QM-LP](#)



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#### Mechanical Specifications

##### Size

Length 0.669 in [16.99 mm]  
Width/Dia. 0.413 in [10.49 mm]

Mating Cycles 100 Cycles  
Cable Retention Force 13 lbs [5.9 kg]

##### Material Specifications

Description	Material	Plating
Contact	Brass	Silver 5 µm
Insulation	PTFE	
Body	Brass	Silver 5 µm

#### Environmental Specifications

##### Temperature

Operating Range -40 to +85 deg C  
Shock IEC 60068 -2-27  
Vibration IEC 60068 -2-6-Fc  
Thermal Shock IEC 60068 -2-14-Na

Environmental Specification Notes:  
Weather Standard: IEC 60068 40/085/21

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

#### Plotted and Other Data

Notes:

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



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### RF Connectors Technical Data Sheet



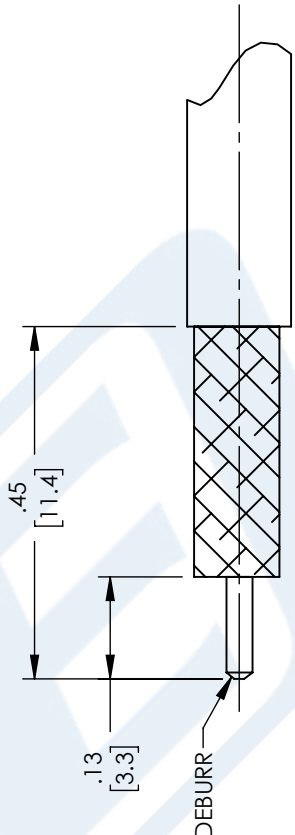
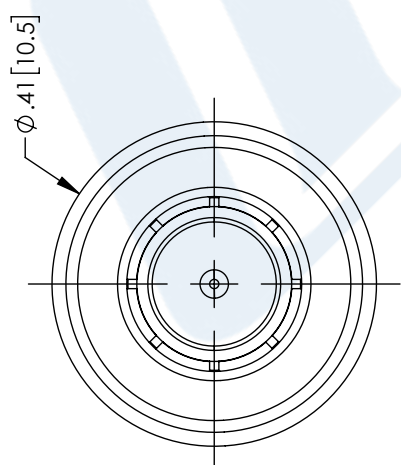
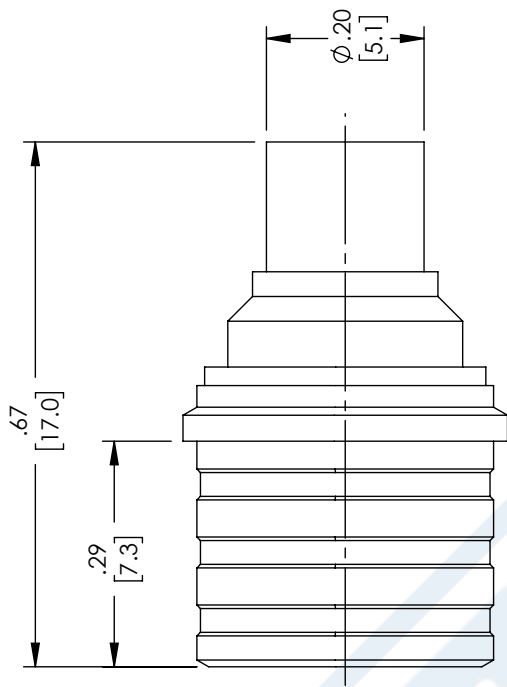
TC-402-QM-LP

QMA 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: [QMA Male Low PIM Connector Solder Attachment for TFT-402, TFT-402-LF TC-402-QM-LP](https://www.pasternack.com/qma-male-tft-402-connector-tc-402-qm-lp-p.aspx)

URL: <https://www.pasternack.com/qma-male-tft-402-connector-tc-402-qm-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.



RECOMMENDED CABLE STRIPPING DIM'S  
Connector add: 0 mm

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Pasternack Enterprises, Inc. P.O. Box 16759, Irvine, CA 92623. Phone: 1.949.261.1920   1.866.727.8376 Fax: 1.949.261.7451 Website: www.pasternack.com E-mail: sales@pasternack.com		SHEET 1 OF 1	
SIZE A		SCALE 4:1	REV A
CAGE CODE 53919		DRAWN BY DMAY	ITEM NO. TC-402-QM-LP

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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