



N Female Low PIM Connector Solder Attachment for SPO-375, SPF-375, SPP-375-LLPL

RF Connectors Technical Data Sheet



TC-375-NF-LP

Times Microwave Systems Connector Specification

Configuration

- N Female Connector
- 50 Ohms
- Straight Body Geometry
- Connector Interface Types: SPO-375, SPF-375, SPP-375-LLPL
- Low PIM Design

Features

- Max. Operating Frequency 6 GHz
- Excellent VSWR of 1.25:1
- PIM levels lower than -160 dBc
- Silver Plated Phosphor Bronze Contact
- 200 µin contact plating

Applications

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

Description

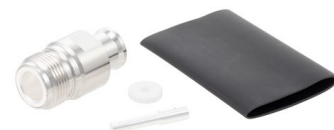
Times Microwave's TC-375-NF-LP type N female connector offered by Pasternack with solder/solder attachment for Times' SPO-375, SPF-375 and SPP-375-LLPL is part of our full line of RF components available for same-day shipping. Times Microwave's type N female connector operates up to a maximum frequency of 6 GHz and offers excellent VSWR of 1.25:1. The Times type N female connector also has low passive intermodulation of -160 dBc.

Times Microwave's type N female connector TC-375-NF-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			0.244	dB
Passive Intermodulation			-160	dBc
Operating Voltage (DC)			2,000	Vdc
Dielectric Withstanding Voltage (AC)			1,000	Vrms
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: [N Female Low PIM Connector Solder Attachment for SPO-375, SPF-375, SPP-375-LLPL TC-375-NF-LP](#)



N Female Low PIM Connector Solder Attachment for SPO-375, SPF-375, SPP-375-LLPL

RF Connectors Technical Data Sheet



TC-375-NF-LP

Mechanical Specifications

Size	
Length	1.26 in [32 mm]
Width/Dia.	0.69 in [17.53 mm]
Height	0.69 in [17.53 mm]
Weight	0.0785 lbs [35.61 g]
Mating Cycles	500 Cycles
Mating Torque	6 to 10 in-lbs [0.68 to 1.13 Nm]
Cable Retention Force	113 lbs 51.26 kg

Material Specifications

Description	Material	Plating
Contact	Phosphor Bronze	Silver 200 µin
Insulation	PTFE	
Outer Conductor	Brass	Tri-Metal 80 µin
Body	Brass	Tri-Metal 80 µin

Environmental Specifications

Temperature	
Operating Range	-40 to +125 deg C
Shock	US MIL-STD 202
Vibration	US MIL-STD 202
Thermal Shock	US MIL-STD 202

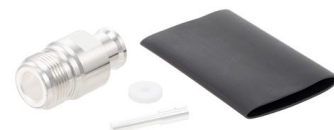
Environmental Specification Notes:
IEC 60068 55/155/21

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: [N Female Low PIM Connector Solder Attachment for SPO-375, SPF-375, SPP-375-LLPL TC-375-NF-LP](#)



N Female Low PIM Connector Solder Attachment for SPO-375, SPF-375, SPP-375-LLPL

RF Connectors Technical Data Sheet



TC-375-NF-LP

N Female Low PIM Connector Solder Attachment for SPO-375, SPF-375, SPP-375-LLPL 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.

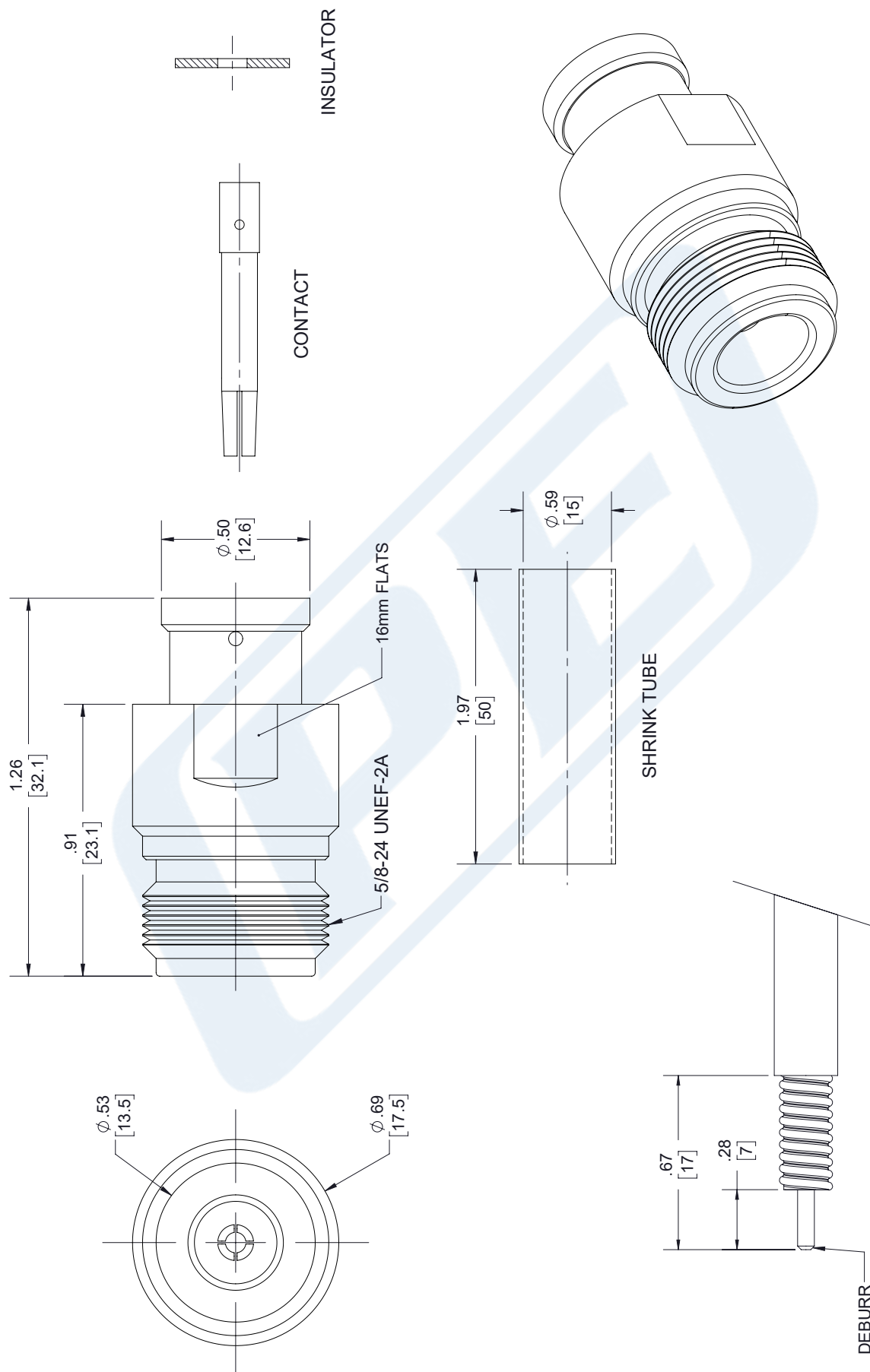
Click the following link (or enter part number in "SEARCH" on website) to obtain additional part information including price, inventory and certifications: [N Female Low PIM Connector Solder Attachment for SPO-375, SPF-375, SPP-375-LLPL TC-375-NF-LP](https://www.pasternack.com/n-female-spo-375-spf-375-connector-tc-375-nf-lp-p.aspx)

URL: <https://www.pasternack.com/n-female-spo-375-spf-375-connector-tc-375-nf-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.



REVISIONS			
REV.	DESCRIPTION	DATE	APPROVED
A	INITIAL RELEASE	9/7/21	SRAUTUS



STRIPPING DIMENSIONS

NOTES:

- CABLE ATTACHMENT:
 - OUTER: SOLDER.
 - INNER: SOLDER.

UNLESS OTHERWISE SPECIFIED LEADING DIMENSIONS ARE IN INCHES DIMENSIONS IN [] ARE MILLIMETERS	
TOLERANCES:	FRACTIONS
X $\pm$.2	[5.08]
XX $\pm$.01	[.25]
XXX $\pm$.005	[.13]
ALL DIMENSIONS SHOWN ARE FOR REFERENCE ONLY.	
THIRD-ANGLE PROJECTION	



Pasternack Enterprises, Inc.
P.O. Box 16759, Irvine, CA 92623.
Phone: 1.949.261.1920 | 1.866.727.8376
Fax: 1.949.261.7451
www.pasternack.com | e-mail: sales@pasternack.com

THE INFORMATION AND
DESIGN IN THIS DOCUMENT
IS THE PROPERTY OF
PASTERNAK CORPORATION.
ALL RIGHTS RESERVED.

SHEET 1 OF 1
SCALE N/A

SIZE	CAGE	DRAWN BY	PART NUMBER	REV
A	53919	DMAY	TC-375-NF-LP	A

THESE COMMODITIES, TECHNOLOGY OR SOFTWARE WERE EXPORTED FROM THE UNITED STATES IN ACCORDANCE WITH THE EXPORT ADMINISTRATION REGULATIONS. DIVERSION CONTRARY TO U.S. LAW PROHIBITED.