



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

RF Connectors Technical Data Sheet



TC-375-NM-LP

Times Microwave Systems Connector Specification

Configuration

- N Male Connector
- 50 Ohms
- Straight Body Geometry
- Connector Interface Types: SPP-375-LLPL, SPO-375, SPF-375
- 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
- Custom Cable Assemblies
- Distributed Antenna Systems (DAS)
- Wireless Communications
- Low PIM Applications

Description

Times Microwave's TC-375-NM-LP type N male connector offered by Pasternack with solder/solder attachment for Times' SPP-375-LLPL, SPO-375 and SPF-375 is part of our full line of RF components available for same-day shipping. Times Microwave's type N male connector operates up to a maximum frequency of 6 GHz and offers good VSWR of 1.3:1. The Times type N male connector also has low passive intermodulation of -160 dBc.

Times Microwave's type N male connector TC-375-NM-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			0.25	dB
Passive Intermodulation			-160	dBc
Dielectric Withstanding Voltage (AC)			2,500	Vrms
Insulation Resistance	10,000			MOhms

Click the following link (or enter part number in "SEARCH" on website) to obtain additional part information including price, inventory and certifications: [N Male Low PIM Connector Solder Attachment for SPP-375-LLPL, SPO-375, SPF-375 TC-375-NM-LP](#)



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

RF Connectors
Technical Data Sheet



TC-375-NM-LP

Mechanical Specifications

Size

Length

1.24 in [31.5 mm]

Width/Dia.

0.81 in [20.57 mm]

Mating Torque

9.74 to 15.05 in-lbs [1.10 to 1.70 Nm]

Material Specifications

Description	Material	Plating
Contact	Brass	Silver 200 µin
Insulation	PTFE	
Outer Conductor	Brass	Tri-Metal 100 µin
Coupling Nut	Brass	Tri-Metal 100 µin
Gasket	Silicone Rubber	

Environmental Specifications

Temperature

Operating Range

-40 to +125 deg C

Shock

US MIL-STD 202, Meth.213, Cond. I

Vibration

US MIL-STD 202, Meth.204, Cond. D

Thermal Shock

US MIL-STD 202, Meth.107, Cond. B

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

Plotted and Other Data

Notes:

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

RF Connectors Technical Data Sheet



TC-375-NM-LP

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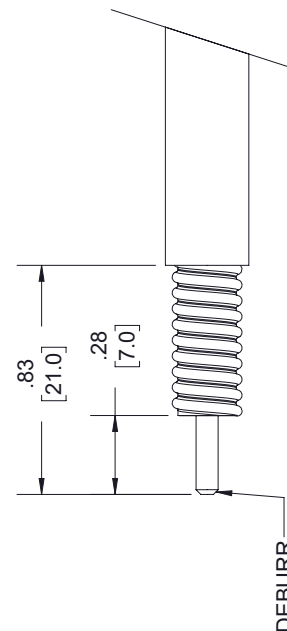
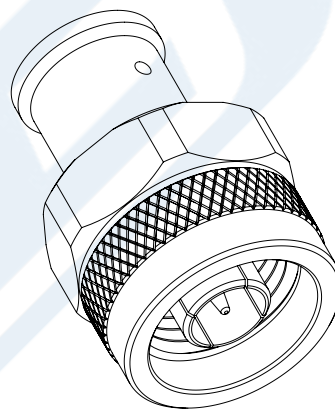
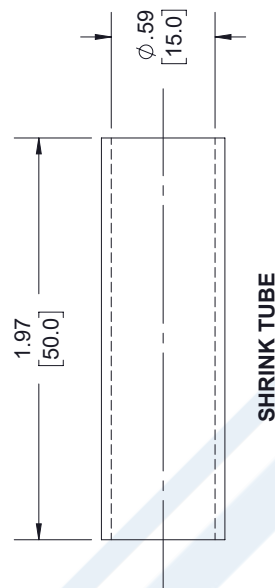
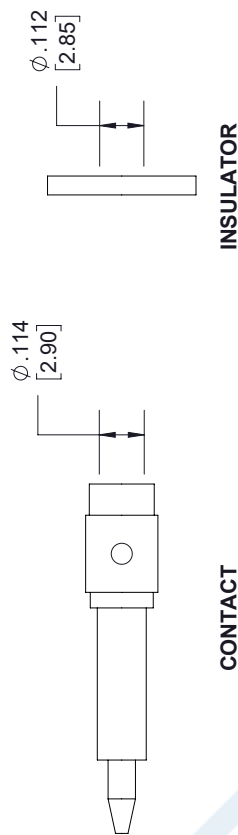
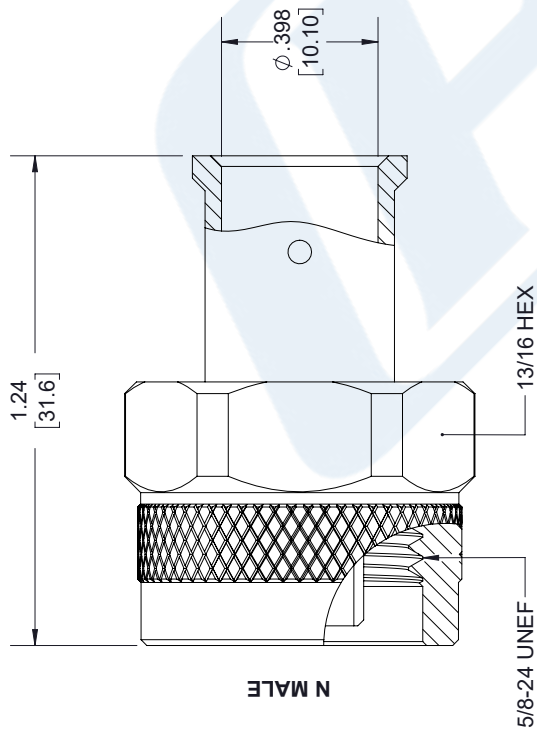
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A	INITIAL RELEASE	5/12/2020	SELLIS

**STRIPPING DIMENSIONS****NOTES:**

- CABLE ATTACHMENT:
• OUTER: SOLDER.
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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% L	/ -0

ALL DIMENSIONS SHOWN
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N Male Low PIM Connector Solder Attachment for SPP-375-LLPL, SPO-375, SPF-375

RF Connectors Technical Data Sheet



TC-375-NM-LP

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TC-375-NM-LP

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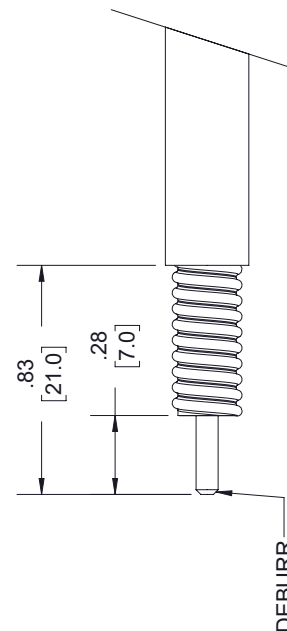
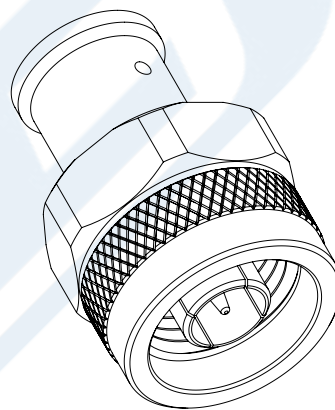
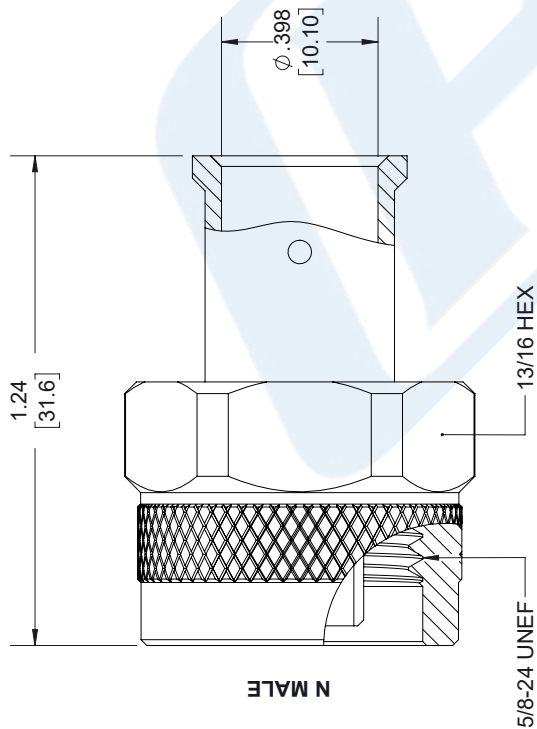
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SHEET 1 OF 1

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ITEM NO. TC-375-NM-LP

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Low Loss SPP-375-LLPL Plenum Rated Corrugated Coax Cable with Blue FEP Jacket Superflexible

RF Cables Technical Data Sheet



SPP-375-LLPL

Times Microwave Systems Coax Cable Specification Configuration

- Low Loss, Plenum Corrugated Cable
- 1 Shield(s)

Features

- PIM < -160 dBc
- UL910 Plenum Rated Cable
- Lightweight and Extremely Flexible
- Low Loss Dielectric 76% VoP
- Shielding >100 dB
- UV Resistant FEP Jacket

Applications

- Distributed Antenna Systems (DAS)
- Plenum Installations
- Small Cells
- Multi-Carrier Communication Systems
- PIM Testing
- Antenna Jumpers

Description

SPP-375-LLPL low loss, low PIM Plenum Rated coax cable by Times Microwave is part of our full line of RF components available for same-day shipping. The SPP-375-LLPL coaxial cable features a low loss dielectric with an 76% velocity of propagation (VoP), BCCAL center conductor and a helically corrugated, copper outer conductor. This cable is UL listed, type CMP (plenum) rated coax. These features combine to make the Times Microwave SPP-375-LLPL a super flexible, low PIM coax cable that is well suited for use as an antenna jumper cable, Distributed Antenna Systems (DAS), small cell, and other applications where Fire Rated material is required. The durable FEP outer jacket makes this cable appropriate for a wide range of indoor or outdoor applications.

Our datasheet specifications and drawing with dimensions for Times Microwave SPP-375-LLPL coax cable are shown below in this PDF. Whether the need is to provide a low PIM jumper connection, low PIM feeder cable or simply create a custom cable assembly configuration, Pasternack has the right SPP-375-LLPL low PIM cable assembly for the job. See our web site to find the right connector cable combination for your application.

Electrical Specifications

Description	Minimum	Typical	Maximum	Units
Frequency Range	DC		5.8	GHz
Impedance		50		Ohms
Velocity of Propagation		76		%
Shielding Effectiveness	100			dB
Passive Intermodulation			-160	dBc
Inner Conductor DC Resistance			1.3	Ohms/1000ft
Nominal Capacitance		26.2 [85.96]		pF/ft [pF/m]
Nominal Inductance		0.067 [0.22]		uH/ft [uH/m]

Click the following link (or enter part number in "SEARCH" on website) to obtain additional part information including price, inventory and certifications: [Low Loss SPP-375-LLPL Plenum Rated Corrugated Coax Cable with Blue FEP Jacket Superflexible SPP-375-LLPL](#)



Low Loss SPP-375-LLPL Plenum Rated Corrugated Coax Cable with Blue FEP Jacket Superflexible

RF Cables Technical Data Sheet



SPP-375-LLPL

Performance by Frequency Band

Description	F1	F2	F3	F4	F5	Units
Frequency	0.45	1.5	2	2.5	5.8	GHz
Attenuation, Typ	2.75	4.91	5.73	6.45	10.29	dB/100ft
	9.02	16.11	18.8	21.16	33.76	dB/100m
Input Power (CW), Max	2,010	1,080	930	830	530	Watts

Mechanical Specifications

Diameter	0.402 in [10.21 mm]
Weight	0.072 lbs/ft [0.11 Kg/m]
Min. Bend Radius (Installation)	1.25 in [31.75 mm]
Bending Moment	1.7 lbs-ft [2.31 N-m]

Construction Specifications

Description	Material and Plating	Diameter
Inner Conductor	Copper Clad Aluminum1	0.108 in 2.74 mm
Conductor Type	Solid	
Dielectric	Microporous PTFE	0.285 in 7.24 mm
Outer Conductor	Copper Corrugated	0.38 in 9.65 mm
Jacket	FEP, Blue	0.402 in [10.21 mm]

Environmental Specifications

Temperature Operating Range	-55 to +200 deg C
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Low Loss SPP-375-LLPL Plenum Rated Corrugated Coax Cable with Blue FEP Jacket Superflexible

RF Cables Technical Data Sheet



SPP-375-LLPL

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

Plotted and Other Data

Notes:

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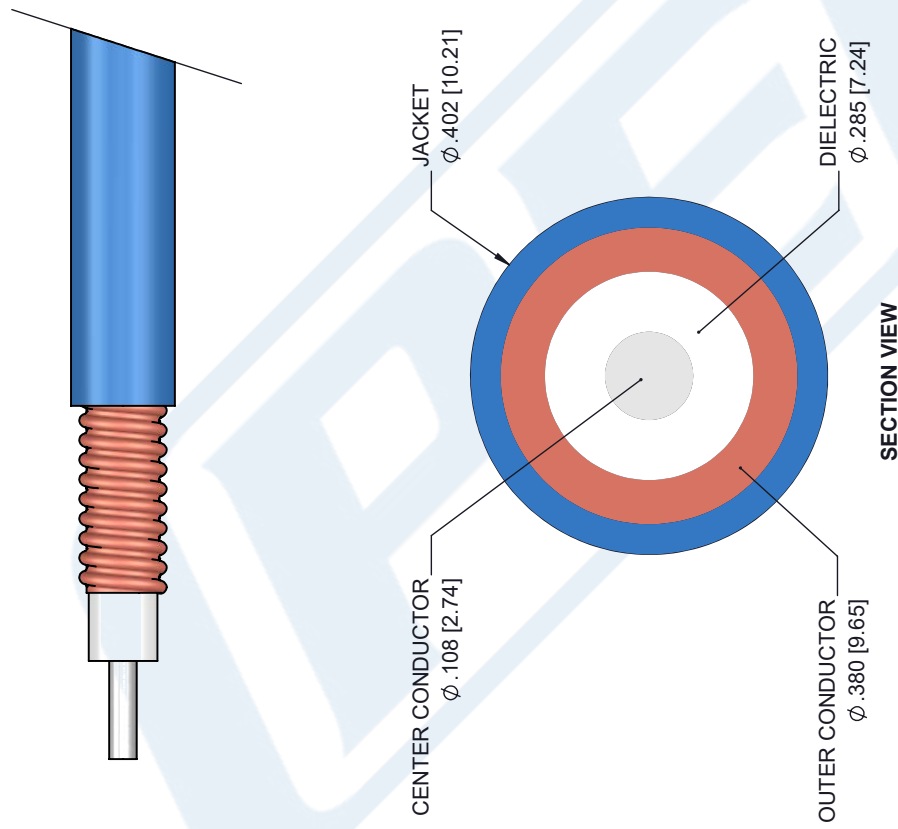
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TIMES MICROWAVE SYSTEMS **SPP-375-LLPL CAD Drawing**
 Low Loss SPP-375-LLPL Plenum Rated Corrugated Coax
 Cable with Blue FEP Jacket Superflexible

REVISIONS			
REV.	DESCRIPTION	DATE	APPROVED
A	INITIAL RELEASE	03/04/19	S. ELLIS



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