



## 4.3-10 Male Low PIM Connector Solder Attachment for SPO-375, SPF-375, SPP-375-LLPL

### RF Connectors Technical Data Sheet



TC-375-4310M-LP

### Times Microwave Systems Connector Specification

#### Configuration

- 4.3-10 Male Connector
- 50 Ohms
- Straight Body Geometry
- Connector Interface Types: SPO-375, SPF-375, SPP-375-LLPL
- Low PIM Design

#### Features

- Max. Operating Frequency 3 GHz
- Excellent VSWR of 1.1:1
- 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-375-4310M-LP 4.3-10 male 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 4.3-10 male connector operates up to a maximum frequency of 3 GHz and offers excellent VSWR of 1.1:1. The Times 4.3-10 male connector also has low passive intermodulation of -160 dBc.

Times Microwave's 4.3-10 male connector TC-375-4310M-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			1.1:1	
Insertion Loss			0.18	dB
Passive Intermodulation			-160	dBc
Operating Voltage (DC)			2,500	Vdc
Insulation Resistance	10,000			MOhms

Electrical Specification Notes:  
Insertion Loss =  $-0.1 \times \text{SQRT}(\text{FGHz})$

Click the following link (or enter part number in "SEARCH" on website) to obtain additional part information including price, inventory and certifications: [4.3-10 Male Low PIM Connector Solder Attachment for SPO-375, SPF-375, SPP-375-LLPL TC-375-4310M-LP](#)



## 4.3-10 Male Low PIM Connector Solder Attachment for SPO-375, SPF-375, SPP-375-LLPL

### RF Connectors Technical Data Sheet



TC-375-4310M-LP

#### Mechanical Specifications

##### Size

Length 1.26 in [32 mm]  
Width/Dia. 0.96 in [24.38 mm]

Mating Cycles 500 Cycles  
Mating Torque 44.25 in-lbs [5.00 Nm]  
Cable Retention Force 112 lbs [50.8 kg]

#### Material Specifications

Description	Material	Plating
Contact	Brass	Silver 200 µin
Insulation	PTFE	
Body	Brass	Tri-Metal 80 µin
Coupling Nut	Brass	Nickel 200 µin
Gasket	Silicone	

#### Environmental Specifications

##### Temperature

Operating Range -40 to +125 deg C  
Shock MIL-STD 202G, Meth. 213, Cond I  
Vibration MIL-STD 202G, Meth. 204, Cond B  
Thermal Shock MIL-STD 202G, Meth. 107, Cond B

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

#### Plotted and Other Data

Notes:

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### RF Connectors Technical Data Sheet



TC-375-4310M-LP

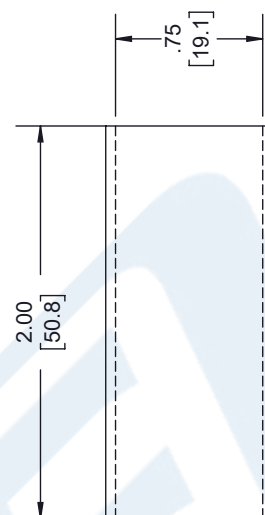
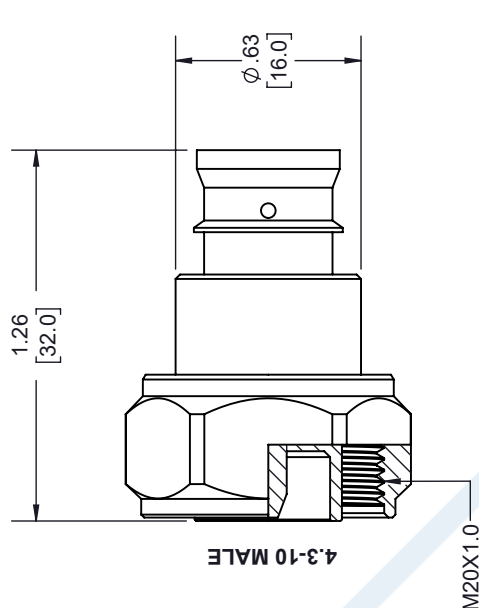
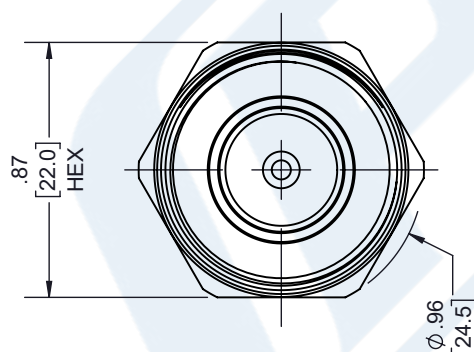
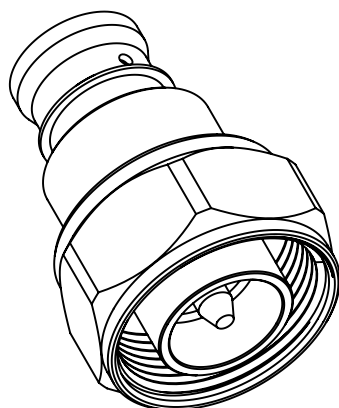
4.3-10 Male Low PIM Connector Solder Attachment for SPO-375, SPF-375, SPP-375-LLPL from Pasternack Enterprises has same day shipment for domestic and International orders. Our RF, microwave and millimeter wave products maintain a 99.4% availability and are part of the broadest selection in the industry.

Click the following link (or enter part number in "SEARCH" on website) to obtain additional part information including price, inventory and certifications: [4.3-10 Male Low PIM Connector Solder Attachment for SPO-375, SPF-375, SPP-375-LLPL TC-375-4310M-LP](https://www.pasternack.com/4.3-10-male-spo-375-spf-375-connector-tc-375-4310m-lp-p.aspx)

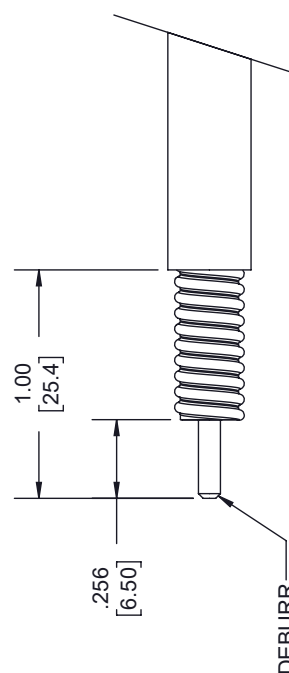
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A	INITIAL RELEASE	1/25/2021	S. ELLIS



HEAT SHRINK TUBE



STRIPPING DIMENSIONS

NOTES:

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

UNLESS OTHERWISE SPECIFIED  
LEADING DIMENSIONS ARE INCHES  
DIMENSIONS IN [ ] ARE MILLIMETERS

TOLERANCES:

X = ± .2 [5.08] FRACTIONS  
.XX = ± .02 [ .51] ANGLES ± 1°  
.XXX = ± .005 [ .13]

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  
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SHEET 1 OF 1

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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

SIZE A CAGE CODE 53919 DRAWN BY K.DANG ITEM NO. TC-375-4310M-LP



## 4.3-10 Male Low PIM Connector Solder Attachment for SPO-375, SPF-375, SPP-375-LLPL

### RF Connectors Technical Data Sheet



TC-375-4310M-LP

#### Times Microwave Systems Connector Specification

##### Configuration

- 4.3-10 Male Connector
- 50 Ohms
- Straight Body Geometry
- Connector Interface Types: SPO-375, SPF-375, SPP-375-LLPL
- Low PIM Design

##### Features

- Max. Operating Frequency 3 GHz
- Excellent VSWR of 1.1:1
- 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-375-4310M-LP 4.3-10 male 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 4.3-10 male connector operates up to a maximum frequency of 3 GHz and offers excellent VSWR of 1.1:1. The Times 4.3-10 male connector also has low passive intermodulation of -160 dBc.

Times Microwave's 4.3-10 male connector TC-375-4310M-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			1.1:1	
Insertion Loss			0.18	dB
Passive Intermodulation			-160	dBc
Operating Voltage (DC)			2,500	Vdc
Insulation Resistance	10,000			MOhms

Electrical Specification Notes:  
Insertion Loss =  $-0.1 \times \text{SQRT}(\text{FGHz})$

Click the following link (or enter part number in "SEARCH" on website) to obtain additional part information including price, inventory and certifications: [4.3-10 Male Low PIM Connector Solder Attachment for SPO-375, SPF-375, SPP-375-LLPL TC-375-4310M-LP](#)



## 4.3-10 Male Low PIM Connector Solder Attachment for SPO-375, SPF-375, SPP-375-LLPL

### RF Connectors Technical Data Sheet



TC-375-4310M-LP

#### Mechanical Specifications

##### Size

Length	1.26 in [32 mm]
Width/Dia.	0.96 in [24.38 mm]

Mating Cycles	500 Cycles
Mating Torque	44.25 in-lbs [5.00 Nm]
Cable Retention Force	112 lbs [50.8 kg]

#### Material Specifications

Description	Material	Plating
Contact	Brass	Silver 200 µin
Insulation	PTFE	
Body	Brass	Tri-Metal 80 µin
Coupling Nut	Brass	Nickel 200 µin
Gasket	Silicone	

#### Environmental Specifications

##### Temperature

Operating Range	-40 to +125 deg C
Shock	MIL-STD 202G, Meth. 213, Cond I
Vibration	MIL-STD 202G, Meth. 204, Cond B
Thermal Shock	MIL-STD 202G, Meth. 107, Cond B

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

#### Plotted and Other Data

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## 4.3-10 Male Low PIM Connector Solder Attachment for SPO-375, SPF-375, SPP-375-LLPL

### RF Connectors Technical Data Sheet



TC-375-4310M-LP

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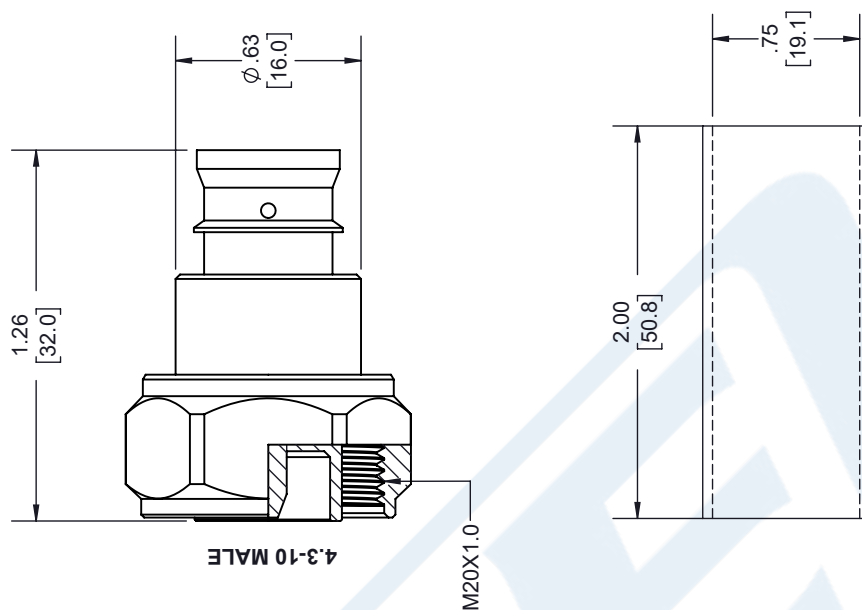
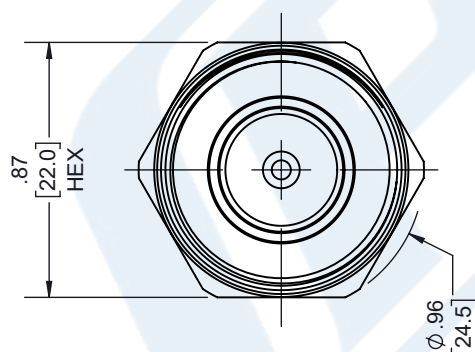
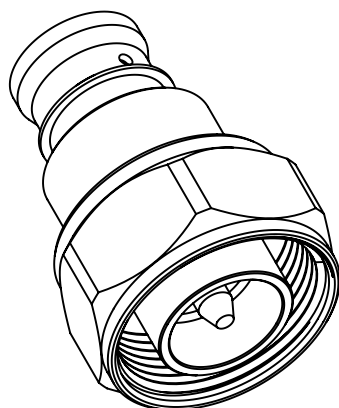
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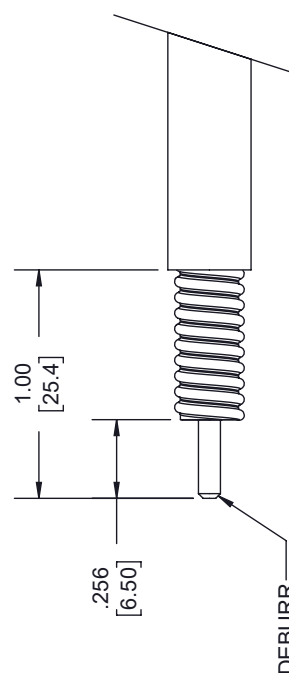
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4.3-10 MALE

M20X1.0

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STRIPPING DIMENSIONS

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120 [3048] < L ≤ 300 [7620] = +6 [152] / -0  
300 [7620] < L = +5% / -0

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SHEET 1 OF 1

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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

SIZE A CAGE CODE 53919 DRAWN BY K.DANG ITEM NO. TC-375-4310M-LP

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## Low Loss SPO-375 Rated Corrugated Coax Cable with Black PE Jacket Superflexible Outdoor Rated

### RF Cables Technical Data Sheet



SPO-375

#### Times Microwave Systems Coax Cable Specification

##### Configuration

- Low Loss Corrugated Cable
- 1 Shield(s)

##### Features

- PIM < -160 dBc
- Lightweight and Super Flexible
- Low Loss Dielectric 83% VoP
- Shielding > 100 dB
- Durable Black Polyethylene Outer Jacket
- Outdoor Rated

##### Applications

- Distributed Antenna Systems (DAS)
- Antenna Installations
- Small Cell
- Outdoor Applications
- Commutation Tower Install

##### Description

SPO-375 low loss outdoor rated coax cable by Times Microwave is part of our full line of RF components available for same-day shipping. The SPO-375 coaxial cable features a low loss dielectric with an 83% velocity of propagation (VoP), BCCAL center conductor and a helically corrugated, copper outer conductor. These features combine to make the Times Microwave SPO-375 a superflexible, low PIM coax cable that is well suited for use as an antenna jumper cable, Distributed Antenna Systems (DAS), small cell, and other outdoor applications. The tough, black polyethylene jacket provides moisture and UV protection and is suitable for outdoor use.

Our datasheet specifications and drawing with dimensions for Times Microwave SPO-375 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 SPO-375 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		6	GHz
Impedance		50		Ohms
Velocity of Propagation		83		%
Passive Intermodulation			-158	dBc
Nominal Capacitance		24 [78.74]		pF/ft [pF/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 SPO-375 Rated Corrugated Coax Cable with Black PE Jacket Superflexible Outdoor Rated SPO-375](#)



## Low Loss SPO-375 Rated Corrugated Coax Cable with Black PE Jacket Superflexible Outdoor Rated

### RF Cables Technical Data Sheet



SPO-375

#### Performance by Frequency Band

Description	F1	F2	F3	F4	F5	Units
Frequency	0.5	1	2	6		GHz
Attenuation, Typ	2.96	4.33	6.23	11.62		dB/100ft
	9.71	14.21	20.44	38.12		dB/100m
Input Power (CW), Max	970	740	510	220		Watts

#### Mechanical Specifications

Diameter	0.43 in [10.92 mm]
Weight	0.132 lbs/ft [0.2 Kg/m]
Min. Bend Radius (Installation)	1.75 in [44.45 mm]

#### Construction Specifications

Description	Material and Plating	Diameter
Inner Conductor	Copper Clad Aluminum <sup>1</sup>	0.11 in 2.79 mm
Conductor Type	Solid	
Dielectric	Foam PE	0.27 in 6.86 mm
Outer Conductor	Copper Corrugated	0.38 in 9.65 mm
Jacket	PE, Black	0.43 in [10.92 mm]

#### Environmental Specifications

Temperature Operating Range	-40 to +85 deg C
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Click the following link (or enter part number in "SEARCH" on website) to obtain additional part information including price, inventory and certifications: [Low Loss SPO-375 Rated Corrugated Coax Cable with Black PE Jacket Superflexible Outdoor Rated SPO-375](#)



## Low Loss SPO-375 Rated Corrugated Coax Cable with Black PE Jacket Superflexible Outdoor Rated

### RF Cables Technical Data Sheet



SPO-375

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

#### Plotted and Other Data

Notes:

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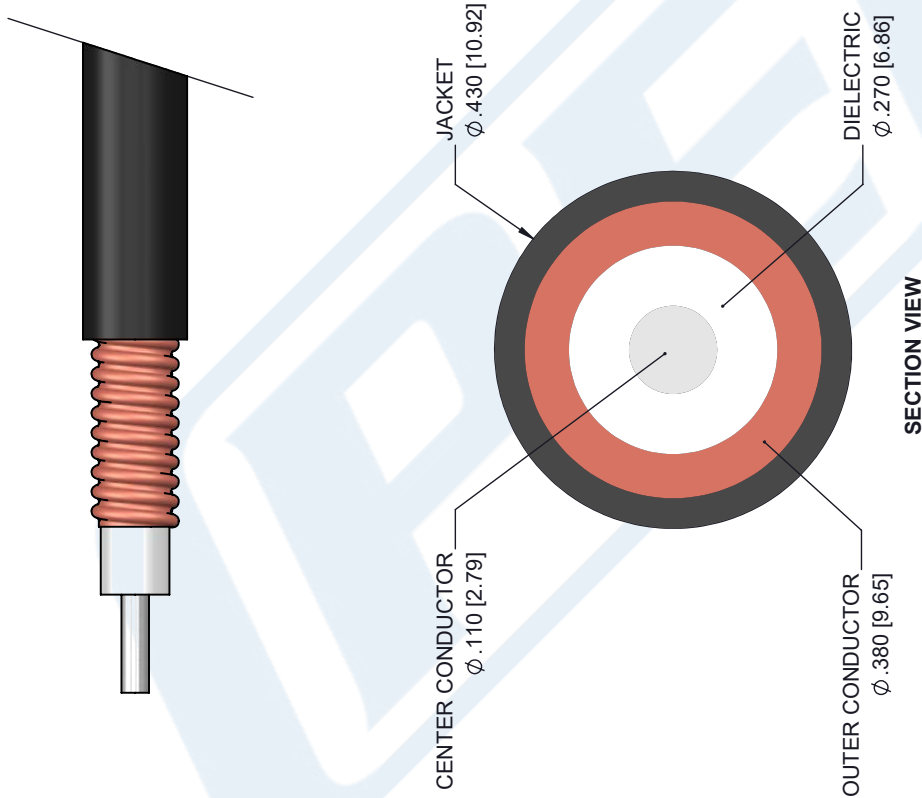
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URL: <https://www.pasternack.com/low-loss-corrugated-spo375-pe-jacket-spo-375-p.aspx>

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**TIMES** MICROWAVE SYSTEMS **SPO-375 CAD Drawing**  
 Low Loss SPO-375 Rated Corrugated Coax Cable with  
 Black PE Jacket Superflexible Outdoor Rated

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A	INITIAL RELEASE	03/04/19	S. ELLIS



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