



## MMCX Plug to SMA Male Right Angle Cable 24 Inch Length Using RG178 Coax , LF Solder

### RF Cable Assemblies Technical Data Sheet

PE36336LF-24

#### Configuration

- Connector 1: MMCX Plug
- Connector 2: SMA Male Right Angle
- Cable Type: RG178

#### Features

- Max Frequency 3 GHz
- 70% Phase Velocity
- FEP Jacket

#### Applications

- General Purpose
- Laboratory Use

#### Description

Pasternack's PE36336LF-24 MMCX plug to SMA male right angle 24 inch cable using RG178 coax is part of our full line of RF components available for same-day shipping. Pasternack's flexible RF cable assemblies are ideal for applications where tight bends and flexure are required. This Pasternack MMCX to SMA cable assembly has a plug to male gender configuration with 50 ohm flexible RG178 coax. The PE36336LF-24 MMCX plug to SMA male cable assembly operates to 3 GHz. The right angle SMA interface on the RG178 cable allows for easier connections in tight spaces.

Custom versions of most RF cable assemblies can be built and shipped same day. Custom cable assembly lengths can be obtained by specifying the desired length on the web site at time of order or by contacting a sales representative. Other available RF cable assembly value added services include connector orientation or clocking, heat shrink booting and custom labeling. RF testing can also be performed to document the electrical performance of your cable assembly.

#### Electrical Specifications

Description	Minimum	Typical	Maximum	Units
Frequency Range	DC		3	GHz
VSWR			1.45:1	
Velocity of Propagation		70		%
Capacitance		29.4 [96.46]		pF/ft [pF/m]
Operating Voltage (AC)			170	Vrms

#### Specifications by Frequency

Description	F1	F2	F3	F4	F5	Units
Frequency	0.1	0.25	0.5	1	3	GHz
Insertion Loss (Max.)	0.58	0.68	0.85	1.2	1.9	dB

Click the following link (or enter part number in "SEARCH" on website) to obtain additional part information including price, inventory and certifications: [MMCX Plug to SMA Male Right Angle Cable 24 Inch Length Using RG178 Coax , LF Solder PE36336LF-24](#)



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#### Electrical Specification Notes:

The Insertion Loss data above is based on the performance specifications of the coax used in this assembly. Insertion Loss is estimated as 0.1 dB for the MMCX connector and 0.2 dB for the SMA connector.

#### Mechanical Specifications

##### Cable Assembly

Length\* 24 in [609.6 mm]  
Diameter 0.315 in [8 mm]

##### Cable

Cable Type RG178  
Impedance 50 Ohms  
Inner Conductor Type Stranded  
Inner Conductor Material and Plating Copper Clad Steel, Silver  
Dielectric Type PTFE  
Number of Shields 1  
Shield Layer 1 Silver Plated Copper Braid  
Jacket Material FEP, Tan  
Jacket Diameter 0.072 in [1.83 mm]  
  
Repeated Minimum Bend Radius 0.4 in [10.16 mm]

#### Connectors

Description	Connector 1	Connector 2
Type	MMCX Plug	SMA Male Right Angle
Specification	BS EN 122340	MIL-STD-348A
Impedance	50 Ohms	50 Ohms
Contact Material and Plating	Brass, Gold	Brass, Gold
Contact Plating Specification	30 µin minimum	50 µin minimum
Dielectric Type	PTFE	PTFE
Body Material and Plating	Brass, Gold	Brass, Nickel
Body Plating Specification	3 µin minimum	100 µin minimum
Coupling Nut Material and Plating		Brass, Nickel
Coupling Nut Plating Specification		100 µin minimum
Hex Size		5/16 inch
Torque		3 in-lbs [0.34 Nm]

#### Environmental Specifications

##### Temperature

Operating Range -55 to +155 deg C

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

#### Plotted and Other Data

Notes:

#### How to Order

Part Number Configuration:

**PE36336LF - xx uu**

Unit of Measure:  
cm = Centimeters  
<blank> = Inches  
Length  
Base Number

Example: PE36336LF-12 = 12 inches long cable  
PE36336LF-100cm = 100 cm long cable

MMCX Plug to SMA Male Right Angle Cable 24 Inch Length Using RG178 Coax , LF Solder 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.

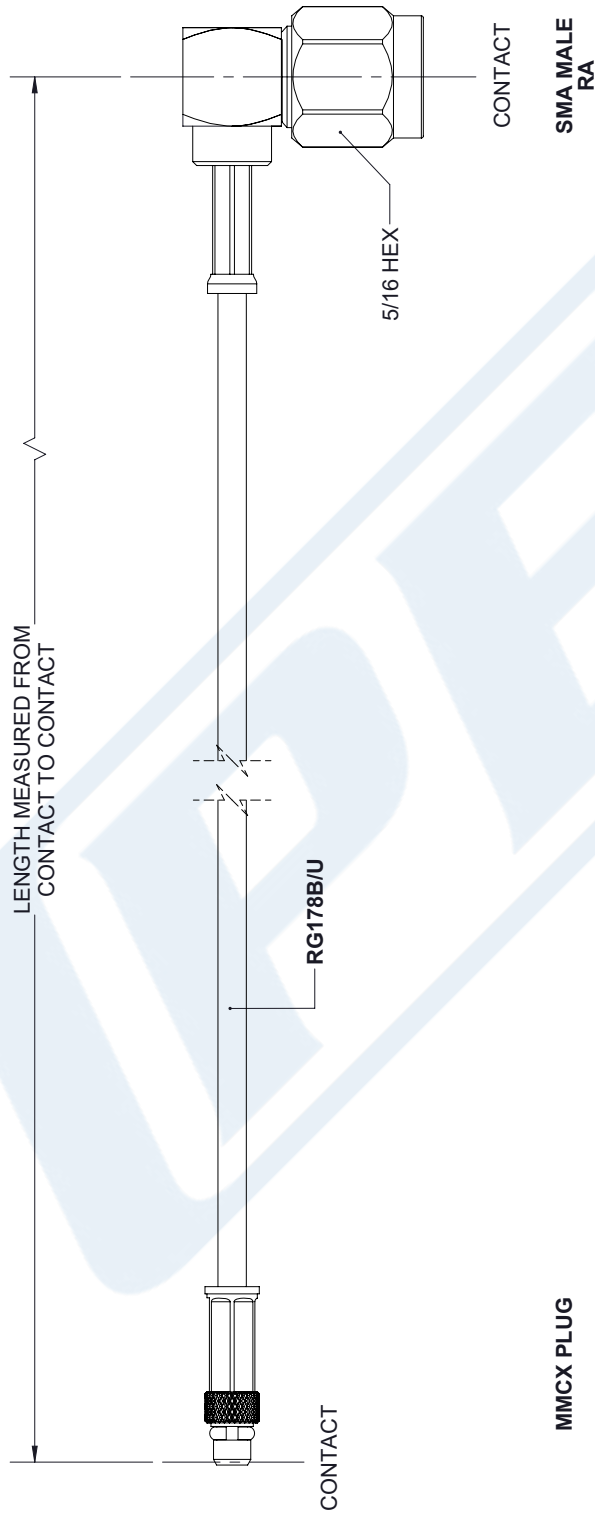
Click the following link (or enter part number in "SEARCH" on website) to obtain additional part information including price, inventory and certifications: [MMCX Plug to SMA Male Right Angle Cable 24 Inch Length Using RG178 Coax , LF Solder PE36336LF-24](#)

URL:

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.

# PE36336LF-24 CAD Drawing

MMCX Plug to SMA Male Right Angle Cable 24 Inch  
Length Using RG178 Coax , LF Solder



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

**TOLERANCES:**

.X = ± .2	[ .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  
ARE FOR REFERENCE ONLY.

**PE PASTERNAK®**  
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SIZE A CAGE CODE 53919 DRAWN BY K.DANG ITEM NO. PE36336LF REV A

THIRD-ANGLE PROJECTION

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SHEET 1 OF 1  
SCALE N/A  
REV

REVISIONS		
REV.	DESCRIPTION	DATE
A	INITIAL RELEASE	8/25/2020
		APPROVED
		S.ELLIS