



SMA Male to SMA Male Right Angle Cable 48 Inch Length Using 75 Ohm RG179 Coax, RoHS

RF Cable Assemblies Technical Data Sheet

PE3459LF-48

Configuration

- Connector 1: SMA Male
- Connector 2: SMA Male Right Angle
- Cable Type: RG179

Features

- Max Frequency 1 GHz
- FEP Jacket

Applications

- General Purpose
- Laboratory Use

Description

Pasternack's PE3459LF-48 SMA male to SMA male right angle 48 inch cable using 75 ohm RG179 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 SMA to SMA cable assembly has a male to male gender configuration with 75 ohm flexible RG179 coax. The PE3459LF-48 SMA male to SMA male cable assembly operates to 1 GHz. The right angle SMA interface on the RG179 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		1,000	MHz
VSWR			1.4:1	
Capacitance		23 [75.46]		pF/ft [pF/m]
Operating Voltage (AC)			335	Vrms

Specifications by Frequency

Description	F1	F2	F3	F4	F5	Units
Frequency	100	250	500	1,000		MHz
Insertion Loss (Typ.)	0.67	0.85	1.12	1.5		dB

Electrical Specification Notes:

Click the following link (or enter part number in "SEARCH" on website) to obtain additional part information including price, inventory and certifications: [SMA Male to SMA Male Right Angle Cable 48 Inch Length Using 75 Ohm RG179 Coax, RoHS PE3459LF-48](#)



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The Insertion Loss data above is based on the performance specifications of the coax and connectors used in this assembly. The Insertion Loss includes an estimated insertion loss of 0.1 dB for the straight connector and 0.2 dB for the right angle connector.

Mechanical Specifications

Cable Assembly

Length*	48 in [121.92 cm]
Weight	0.064 lbs [29.03 g]

Cable

Cable Type	RG179
Impedance	75 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	0.1 in [2.54 mm]

Connectors

Description	Connector 1	Connector 2
Type	SMA Male	SMA Male Right Angle
Specification	MIL-STD-348A	MIL-STD-348A
Impedance	50 Ohms	50 Ohms
Contact Material and Plating	Brass, Gold	Brass, Gold
Contact Plating Specification	30µ in. Min	50µ in. minimum
Dielectric Type	PTFE	Teflon
Body Material and Plating	Brass, Nickel	Brass, Nickel
Body Plating Specification	100µ in. Minimum	100µ in. minimum
Coupling Nut Material and Plating	Brass, Nickel	
Coupling Nut Plating Specification	100µ in. Minimum	
Hex Size	5/16 in	5/16 in
Torque	5 in-lbs [0.57 Nm]	5 in-lbs [0.57 Nm]

Click the following link (or enter part number in "SEARCH" on website) to obtain additional part information including price, inventory and certifications: [SMA Male to SMA Male Right Angle Cable 48 Inch Length Using 75 Ohm RG179 Coax, RoHS PE3459LF-48](#)



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

Plotted and Other Data

Notes:

- Values at 25°C, sea level.

How to Order

Part Number Configuration:

PE3459LF

- xx

uu

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

Example: PE3459LF-12 = 12 inches long cable
PE3459LF-100cm = 100 cm long cable

SMA Male to SMA Male Right Angle Cable 48 Inch Length Using 75 Ohm RG179 Coax, RoHS 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.

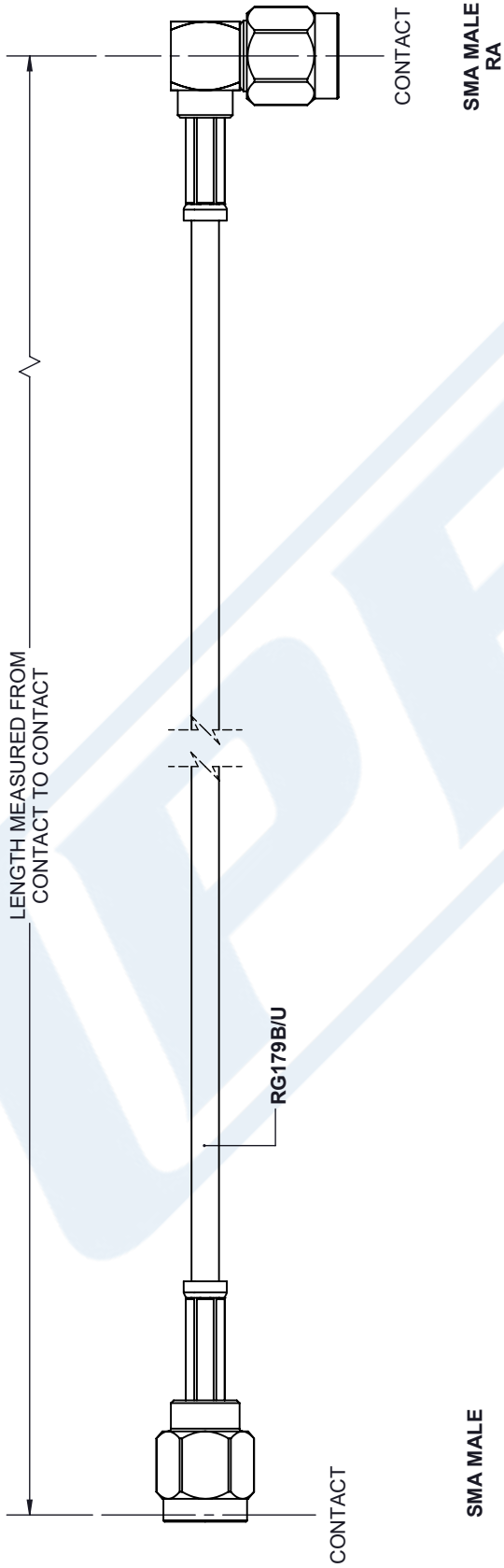
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URL: <https://www.pasternack.com/sma-male-sma-male-rg179bu-cable-assembly-pe3459lf-48-p.aspx>

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.

PE3459LF-48 CAD Drawing
SMA Male to SMA Male Right Angle Cable 48 Inch
Length Using 75 Ohm RG179 Coax, RoHS

REVISIONS			
REV.	DESCRIPTION	DATE	APPROVED
B	PCR PE3459LF	3/8/2022	A. GANWANI



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

TOLERANCES:

X = ± .2	[.008]	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.

PE PASTERNAK
an INFINITE brand

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THIRD-ANGLE PROJECTION

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DESIGN IN THIS DOCUMENT
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SHEET 1 OF 1

SCALE N/A

SIZE A

CAGE CODE 53919

DRAWN BY K.DANG

ITEM NO. PE3459LF

REV B

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