



Reverse Polarity SMA Jack to Reverse Polarity SMA Plug Right Angle Cable Using RG174 Coax , LF Solder

RF Cable Assemblies Technical Data Sheet

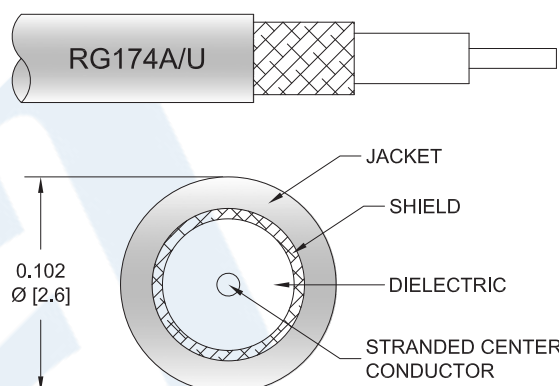
PE3C2444LF

Configuration

- Connector 1: SMA Jack Reverse Polarity
- Connector 2: SMA Plug Reverse Polarity Right Angle
- Cable Type: RG174

Features

- 66% Phase Velocity
- PVC Jacket



Applications

- General Purpose
- Laboratory Use

Description

Pasternack's PE3C2444LF reverse polarity SMA jack to reverse polarity SMA plug right angle cable using RG174 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 reverse polarity SMA to reverse polarity SMA cable assembly has a jack to plug gender configuration with 50 ohm flexible RG174 coax. The right angle SMA interface on the RG174 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
Velocity of Propagation		66		%
Capacitance		31.08 [101.97]		pF/ft [pF/m]

Mechanical Specifications

Cable Assembly

Weight 0.027 lbs [12.25 g]

Click the following link (or enter part number in "SEARCH" on website) to obtain additional part information including price, inventory and certifications: [Reverse Polarity SMA Jack to Reverse Polarity SMA Plug Right Angle Cable Using RG174 Coax , LF Solder PE3C2444LF](#)



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Cable

Cable Type	RG174
Impedance	50 Ohms
Inner Conductor Type	Stranded
Inner Conductor Material and Plating	Copper Clad Steel
Dielectric Type	PE
Number of Shields	1
Shield Layer 1	Tinned Copper Braid
Jacket Material	PVC, Black
Jacket Diameter	0.11 in [2.79 mm]

Connectors

Description	Connector 1	Connector 2
Type	SMA Jack Reverse Polarity	SMA Plug Reverse Polarity Right Angle
Specification	MIL-STD-348	MIL-STD-348
Impedance	50 Ohms	50 Ohms
Contact Material and Plating	Gold	Gold
Contact Plating Specification	MIL-G-45204	MIL-G-45204
Dielectric Type	PTFE	PTFE
Body Material and Plating	Brass, Nickel	Brass, Nickel
Body Plating Specification	QQ-N-290	QQ-N-290
Coupling Nut Material and Plating		Brass, Nickel
Coupling Nut Plating Specification		QQ-N-290
Hex Size		16-May inch
Torque		3 in-lbs [0.34 Nm]

Environmental Specifications

Temperature

Operating Range	-55 to +165 deg C
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Compliance Certifications (see [product page](#) for current document)

Plotted and Other Data

Notes:

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PE3C2444LF

How to Order

Part Number Configuration:

PE3C2444LF

- **xx**

uu

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

Example: PE3C2444LF-12 = 12 inches long cable
PE3C2444LF-100cm = 100 cm long cable

Reverse Polarity SMA Jack to Reverse Polarity SMA Plug Right Angle Cable Using RG174 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.

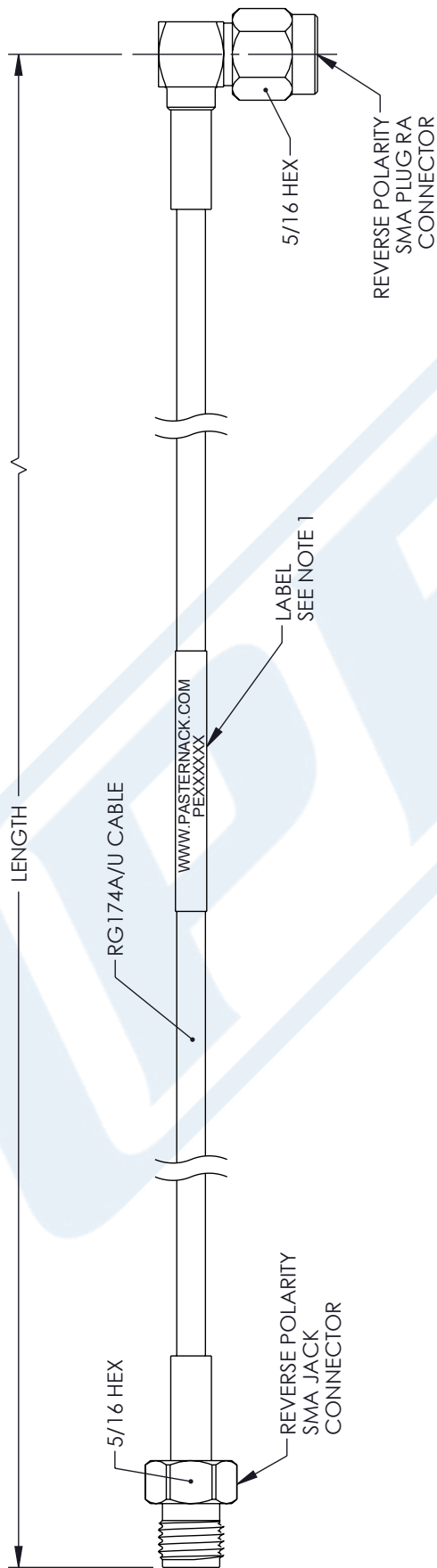
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URL: <https://www.pasternack.com/reverse-polarity-sma-jack-to-reverse-polarity-sma-plug-cable-using-rg174-lf-solder-pe3c2444lf-p.aspx>

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.

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ZONE		REV.	REVISION			
			DESCRIPTION	DATE	CHANGED BY	APPROVED BY
	A		INITIAL RELEASE	01/20/2023	DZINN	AGANWANI



NOTES:

1. CABLE ASSEMBLY LENGTH LABEL PLACEMENT: 36 INCHES OR LESS, ONE LABEL APPROXIMATELY CENTERED. LONGER THAN 36 INCHES, TWO LABELS APPROXIMATELY 6 INCHES FROM EACH CONNECTOR.
2. CABLE ASSEMBLIES SHALL BE TESTED FOR CONTINUITY.

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UNLESS OTHERWISE SPECIFIED LEADING DIMENSIONS ARE INCHES DIMENSIONS IN [] ARE MILLIMETERS		 		INTERPRET ALL DIMENSIONS AND TOLERANCES PER ASME Y14.5	
PE PASTERNAK an INFINITO brand		SCALE		SHEET 1 OF 1	
WEBSITE: www.Pasternack.com PHONE: 1.866.727.8376 1.949.261.1920		DESCRIPTION		ITEM NO.	
REVERSE POLARITY SMA JACK TO REVERSE POLARITY SMA PLUG RIGHT ANGLE CABLE USING RG174 COAX, LF SOLDER		SIZE		REV	
A 53919		DZINN		PE3C2444LF	
CAGE CODE		DRAWN BY		ITEM NO.	
A 53919		DZINN		PE3C2444LF	
TOLERANCES:		CABLE LENGTH TOLERANCES:		ALL DIMENSIONS ARE FOR REFERENCE ONLY AND SUBJECT TO CHANGE WITHOUT NOTICE.	
.X = ± .2 [.5] FRACTIONS .XX = ± .02 [.5] .XXX = ± .005 [.13] ANGLES ± 1°		>12 [305] = +1 [25] / -0 >12 [305] ≤ 60 [1524] = +2 [51] / -0 >60 [1524] ≤ 120 [3048] = +4 [102] / -0 >120 [3048] ≤ 300 [7620] = +6 [152] / -0 >300 [7620] = +5% / -0		ALL DIMENSIONS ARE FOR REFERENCE ONLY AND SUBJECT TO CHANGE WITHOUT NOTICE.	