



SMB Plug Right Angle to BNC Male Cable
Using RG174 Coax , LF Solder

RF Cable Assemblies Technical Data Sheet

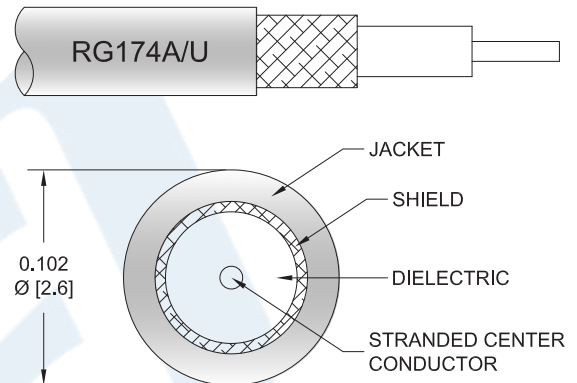
PE3C3406LF

Configuration

- Connector 1: SMB Plug Right Angle
- Connector 2: BNC Male
- Cable Type: RG174

Features

- Max Frequency 1 GHz
- 66% Phase Velocity
- PVC Jacket



Applications

- General Purpose
- Laboratory Use

Description

Pasternack's PE3C3406LF SMB plug right angle to BNC male 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 SMB to BNC cable assembly has a plug to male gender configuration with 50 ohm flexible RG174 coax. The PE3C3406LF SMB plug to BNC male cable assembly operates to 1 GHz. The right angle SMB 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.

Click the following link (or enter part number in "SEARCH" on website) to obtain additional part information including price, inventory and certifications: [SMB Plug Right Angle to BNC Male Cable Using RG174 Coax , LF Solder PE3C3406LF](#)



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Electrical Specifications

Description	Minimum	Typical	Maximum	Units
Frequency Range	DC		1,000	MHz
VSWR			1.4:1	
Velocity of Propagation		66		%
Capacitance		31.1 [102.03]		pF/ft [pF/m]

Specifications by Frequency

Description	F1	F2	F3	F4	F5	Units
Frequency	100	250	500	1,000		MHz
Insertion Loss (Typ.)	0.084	0.137	0.211	0.32		dB/ft
	0.28	0.45	0.69	1.05		dB/m

Electrical Specification Notes:

Insertion Loss does not include the loss of the connectors. Insertion Loss is estimated as 0.1 dB for the BNC male connector and 0.2 dB for the SMB plug connector.

Mechanical Specifications

Cable Assembly

Weight 0.049 lbs [22.23 g]

Cable

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

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Connectors

Description	Connector 1	Connector 2
Type	SMB Plug Right Angle	BNC Male
Specification	MIL-STD-348A	MIL-STD-348A
Impedance	50 Ohms	50 Ohms
Contact Material and Plating	Beryllium Copper, Gold	Brass, Gold
Contact Plating Specification	30 μ in minimum	50 μ in. minimum
Dielectric Type	PTFE	Teflon
Outer Conductor Material and Plating	Brass, Nickel	
Outer Conductor Plating Specification	100 μ in minimum	
Body Material and Plating	Brass, Nickel	Brass, Nickel
Body Plating Specification	100 μ in minimum	100 μ in. minimum
Coupling Nut Material and Plating		Brass, Nickel
Coupling Nut Plating Specification		100 μ in. minimum

Environmental Specifications

Temperature

Operating Range

-40 to +80 deg C

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

Plotted and Other Data

Notes:

- Values at 25°C, sea level.

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How to Order

Part Number Configuration:

PE3C3406LF

- **xx**

uu

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

Example: PE3C3406LF-12 = 12 inches long cable
PE3C3406LF-100cm = 100 cm long cable

SMB Plug Right Angle to BNC Male 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.

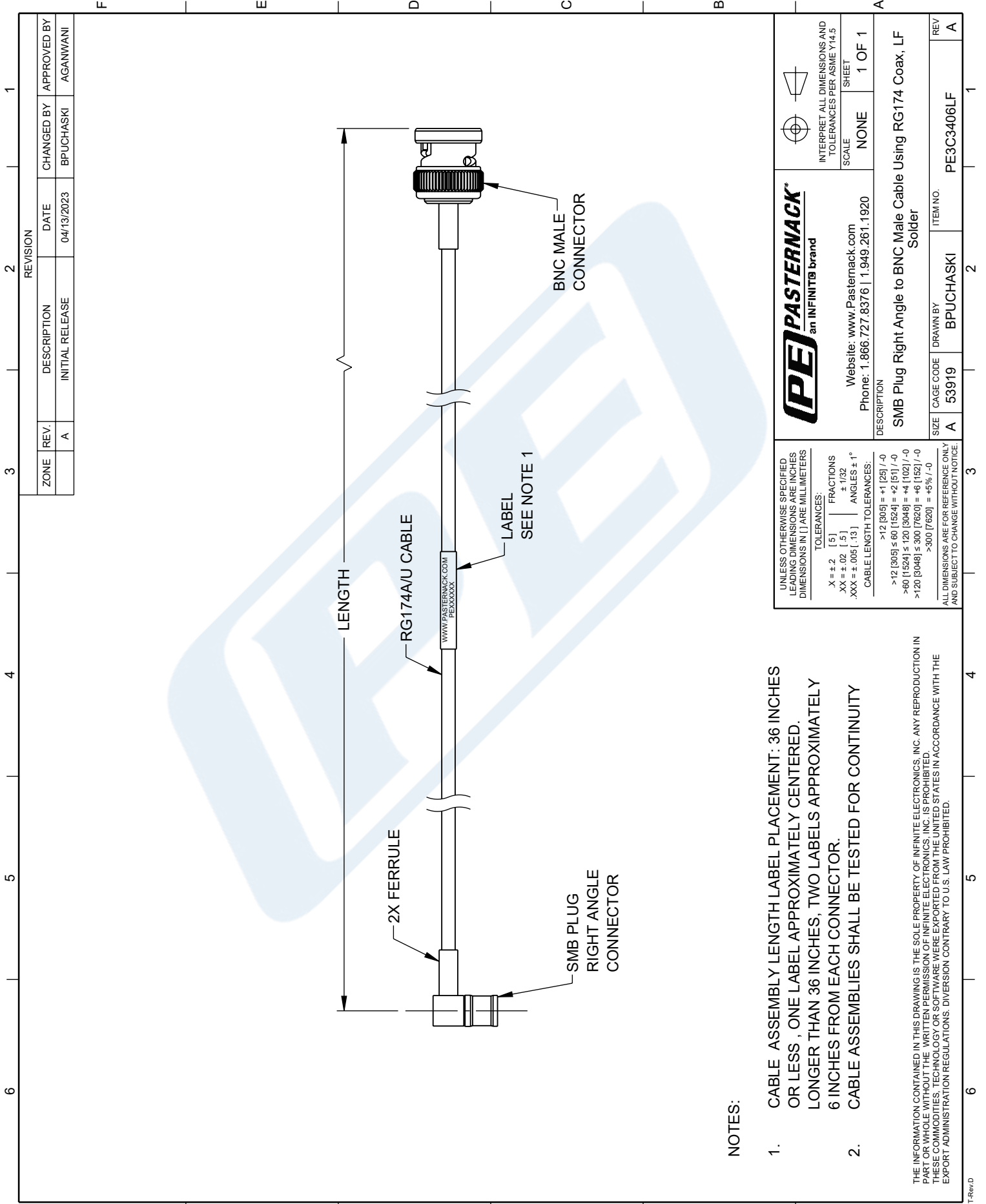
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URL: <https://www.pasternack.com/smb-plug-right-angle-to-bnc-male-cable-using-rg174-lf-solder-pe3c3406lf-p.aspx>

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PE3C3406LF CAD Drawing

SMB Plug Right Angle to BNC Male Cable Using RG174 Coax , LF Solder



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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PE PASTERNAK an INFINITE brand		
Website: www.Pasternack.com Phone: 1.866.727.8376 1.949.261.1920		SCALE NONE
DESCRIPTION SMB Plug Right Angle to BNC Male Cable Using RG174 Coax, LF Solder		SHEET 1 OF 1
SIZE A	CAGE CODE 53919	DRAWN BY BPUCHASKI
ITEM NO. PE3C3406LF		REV A