



75 Ohm SMB Plug Right Angle to 75 Ohm SMB
Plug Cable Using 75 Ohm RG59 Coax

RF Cable Assemblies Technical Data Sheet

PE3W10300

Configuration

- Connector 1: SMB Plug Right Angle
- Connector 2: SMB Plug
- Cable Type: RG59

Features

- 66% Phase Velocity
- PVC (NC) Jacket

Applications

- General Purpose
- Laboratory Use

Description

Pasternack's PE3W10300 75 ohm SMB plug right angle to 75 ohm SMB plug cable using 75 ohm RG59 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 SMB cable assembly has a plug to plug gender configuration with 75 ohm flexible RG59 coax. The right angle SMB interface on the RG59 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		20.4 [66.93]		pF/ft [pF/m]

Mechanical Specifications

Cable Assembly

Weight 0.06 lbs [27.22 g]

Cable

Cable Type RG59
Impedance 75 Ohms
Inner Conductor Type Solid
Inner Conductor Material and Plating Copper Clad Steel
Dielectric Type PE
Number of Shields 1

Click the following link (or enter part number in "SEARCH" on website) to obtain additional part information including price, inventory and certifications: [75 Ohm SMB Plug Right Angle to 75 Ohm SMB Plug Cable Using 75 Ohm RG59 Coax PE3W10300](#)



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Shield Layer 1
Jacket Material
Jacket Diameter

Copper Braid
PVC (NC), Black
0.242 in [6.15 mm]

Connectors

Description	Connector 1	Connector 2
Type	SMB Plug Right Angle	SMB Plug
Specification	MIL-C-39012	
Impedance	75 Ohms	75 Ohms
Contact Material and Plating	Gold	Beryllium Copper, Gold
Contact Plating Specification	MIL-G-45204	
Dielectric Type	Teflon	PTFE
Body Material and Plating	Brass, Nickel	Brass, Nickel

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

Plotted and Other Data

Notes:

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How to Order

Part Number Configuration:

PE3W10300

- **xx**

uu

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

Example: PE3W10300-12 = 12 inches long cable
PE3W10300-100cm = 100 cm long cable

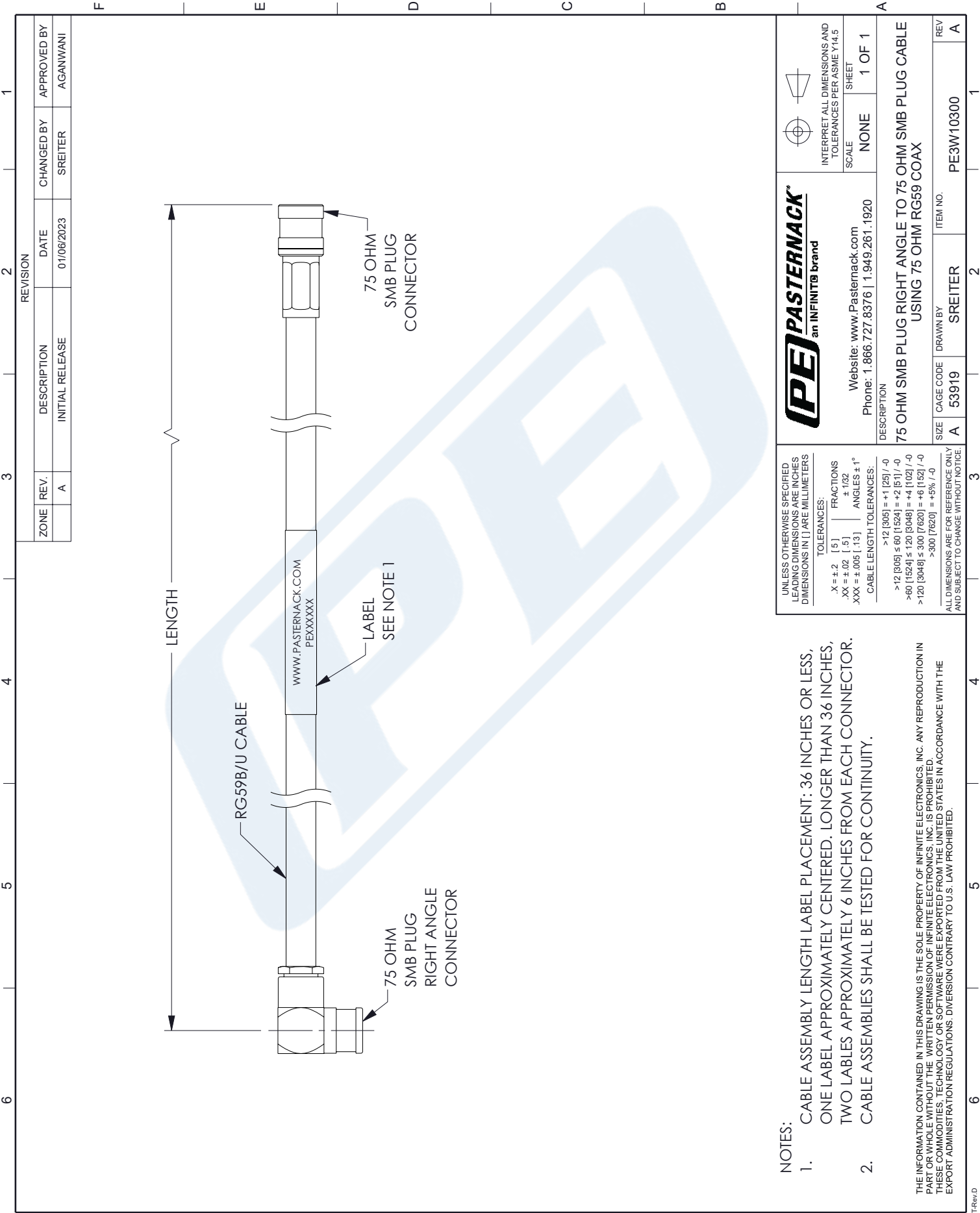
75 Ohm SMB Plug Right Angle to 75 Ohm SMB Plug Cable Using 75 Ohm RG59 Coax from Pasternack Enterprises has same day shipment for domestic and International orders. Our RF, microwave and millimeter wave products maintain a 99.4% availability and are part of the broadest selection in the industry.

Click the following link (or enter part number in "SEARCH" on website) to obtain additional part information including price, inventory and certifications: [75 Ohm SMB Plug Right Angle to 75 Ohm SMB Plug Cable Using 75 Ohm RG59 Coax PE3W10300](https://www.pasternack.com/75-ohm-smb-plug-right-angle-to-75-ohm-smb-plug-cable-using-rg59-pe3w10300-p.aspx)

URL: <https://www.pasternack.com/75-ohm-smb-plug-right-angle-to-75-ohm-smb-plug-cable-using-rg59-pe3w10300-p.aspx>

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PE3W10300 CAD Drawing
75 Ohm SMB Plug Right Angle to 75 Ohm SMB Plug Cable Using 75 Ohm RG59 Coax



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	
TOLERANCES:	FRACTIONS
X = ±.2 [.5]	± 1/32
.XX = ±.02 [.5]	± 1/16
XXX = ±.005 [.13]	± 1/16
CABLE LENGTH TOLERANCES:	
>12 [305] = +1 [25] / -0	
>60 [1524] = +2 [51] / -0	
>120 [3048] = +4 [102] / -0	
>300 [7620] = +6 [152] / -0	
>600 [15240] = +8 [203] / -0	
ALL DIMENSIONS ARE FOR REFERENCE ONLY AND SUBJECT TO CHANGE WITHOUT NOTICE.	



Website: www.Pasternack.com
Phone: 1.866.727.8376 | 1.949.261.1920

DESCRIPTION

75 OHM SMB PLUG RIGHT ANGLE TO 75 OHM SMB PLUG CABLE
USING 75 OHM RG59 COAX

INTERPRET ALL DIMENSIONS AND TOLERANCES PER ASME Y14.5	
SCALE	NONE
SHEET	1 OF 1

SIZE	CAGE CODE	DRAWN BY	ITEM NO.	REV
A	53919	SREITER	PE3W10300	A