

Water Blue FAKRA Plug to Reverse Polarity SMA Jack Cable Using RG174 Coax



RF Cable Assemblies Technical Data Sheet

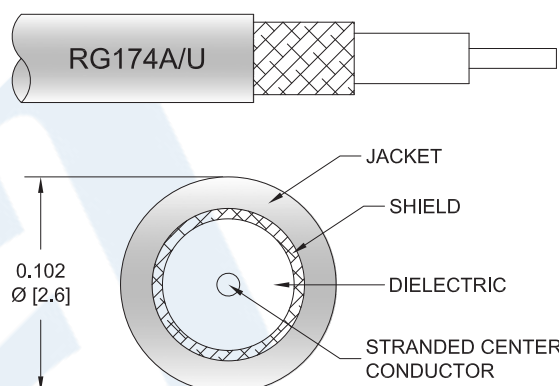
PE3W10870

Configuration

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

Features

- 66% Phase Velocity
- PVC Jacket



Applications

- General Purpose
- Laboratory Use

Description

Pasternack's PE3W10870 water blue FAKRA plug to reverse polarity SMA jack 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 FAKRA to reverse polarity SMA cable assembly has a plug to jack gender configuration with 50 ohm flexible RG174 coax.

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 0.021 lbs [9.53 g]

Cable

Cable Type RG174

Click the following link (or enter part number in "SEARCH" on website) to obtain additional part information including price, inventory and certifications: [Water Blue FAKRA Plug to Reverse Polarity SMA Jack Cable Using RG174 Coax PE3W10870](#)



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SMA Jack Cable Using RG174 Coax

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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	FAKRA Plug	SMA Jack Reverse Polarity
Specification		MIL-STD-348
Impedance	50 Ohms	50 Ohms
Configuration	Straight	Straight
Contact Material and Plating	Phosphor Bronze, Gold	Gold
Contact Plating Specification		MIL-G-45204
Dielectric Type	PTFE	PTFE
Outer Conductor Material and Plating	Brass, Nickel	
Body Material and Plating	Plastic	Brass, Nickel
Body Plating Specification		QQ-N-290

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

Plotted and Other Data

Notes:

Click the following link (or enter part number in "SEARCH" on website) to obtain additional part information including price, inventory and certifications: [Water Blue FAKRA Plug to Reverse Polarity SMA Jack Cable Using RG174 Coax PE3W10870](#)



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RF Cable Assemblies Technical Data Sheet

PE3W10870

How to Order

Part Number Configuration:

PE3W10870

- **xx**

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

Example: PE3W10870-12 = 12 inches long cable
PE3W10870-100cm = 100 cm long cable

Water Blue FAKRA Plug to Reverse Polarity SMA Jack Cable Using RG174 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.

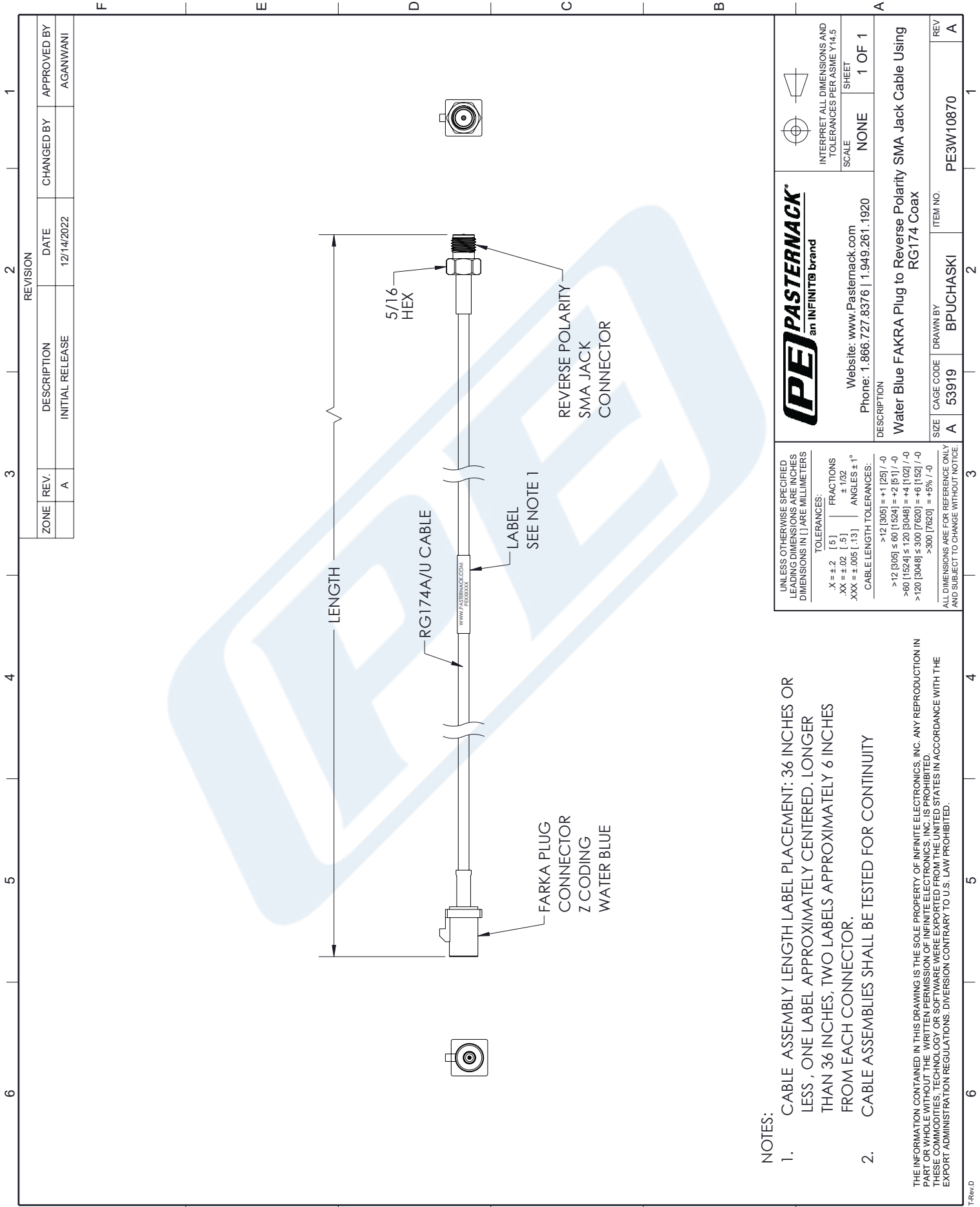
Click the following link (or enter part number in "SEARCH" on website) to obtain additional part information including price, inventory and certifications: [Water Blue FAKRA Plug to Reverse Polarity SMA Jack Cable Using RG174 Coax PE3W10870](https://www.pasternack.com/fakra-plug-to-reverse-polarity-sma-jack-cable-using-rg174-pe3w10870-p.aspx)

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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.

PE3W10870 CAD Drawing

Water Blue FAKRA Plug to Reverse Polarity SMA Jack Cable Using RG174 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:

$X = \pm .2$

[.5]

FRACTIONS

$.XX = \pm .02$

[.13]

ANGLES $\pm 1^\circ$

$XXX = \pm .005$

[.13]

CABLE LENGTH TOLERANCES:

$>12 [305] = +1 [25] / -0$

$>60 [1524] = +2 [51] / -0$

$>120 [3048] = +4 [102] / -0$

$>300 [7620] = +6 [152] / -0$

$>300 [7620] = +5% / -0$

ALL DIMENSIONS ARE FOR REFERENCE ONLY
AND SUBJECT TO CHANGE WITHOUT NOTICE.

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

INTERPRET ALL DIMENSIONS AND
TOLERANCES PER ASME Y14.5

SCALE
NONE

SHEET
1 OF 1

DESCRIPTION
Water Blue FAKRA Plug to Reverse Polarity SMA Jack Cable Using
RG174 Coax

SIZE
A

CAGE CODE
53919

DRAWN BY
BPUCHASKI

ITEM NO.
PE3W10870

REV
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PE3W10870 REV

T-Rev:0

4