

Water Blue FAKRA Jack Right Angle to SMA Male Right Angle Cable Using RG174 Coax with HeatShrink, LF Solder



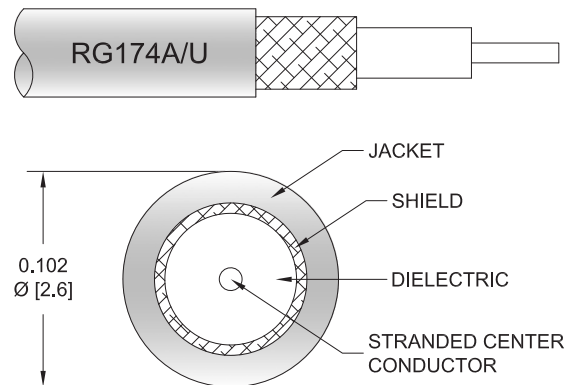
PE3W15913LF/HS

Configuration

- Connector 1: FAKRA Jack Right Angle
- Connector 2: SMA Male Right Angle
- Cable Type: RG174
- Coax Flex Type: Flexible

Features

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



Applications

- General Purpose
- Laboratory Use

Description

Pasternack's PE3W15913LF/HS water blue FAKRA jack right angle to SMA male 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 FAKRA to SMA cable assembly has a jack to male gender configuration with 50 ohm flexible RG174 coax. The PE3W15913LF/HS FAKRA jack to SMA male cable assembly operates to 1 GHz. The right angle FAKRA and right angle SMA interfaces on the RG174 cable allow 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	GHz
VSWR			1.4:1	
Velocity of Propagation		66		%
Capacitance		31.08 [101.97]		pF/ft [pF/m]

Specifications by Frequency

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PE3W15913LF/HS

Part Number	Length	Description	F1	F2	F3	F4	F5	Units	Weight (lbs)
			Frequency					MHz	
PE3W15913LF/HS	Custom Lengths Available	Insertion Loss (Typ.)	0.04	0.08	0.14	0.21	0.32	dB/ft	
			0.14	0.28	0.45	0.7	1.05	dB/m	
PE3W15913LF/HS-12	12 inch	Insertion Loss (Typ.)	0.45	0.49	0.54	0.62	0.72	dB	0.039
PE3W15913LF/HS-24	24 inch	Insertion Loss (Typ.)	0.49	0.57	0.68	0.83	1.04	dB	0.048
PE3W15913LF/HS-36	36 inch	Insertion Loss (Typ.)	0.53	0.66	0.82	1.04	1.36	dB	0.057
PE3W15913LF/HS-48	48 inch	Insertion Loss (Typ.)	0.57	0.74	0.95	1.25	1.68	dB	0.066
PE3W15913LF/HS-72	72 inch	Insertion Loss (Typ.)	0.66	0.91	1.23	1.67	2.32	dB	0.084

The insertion loss data for the base model does not include loss due to the connectors. Each length includes insertion loss due to the connectors.

Loss due to Connector 1:	0.2 dB
Loss due to Connector 2:	0.2 dB
Base Weight:	0.039 pounds
Additional Weight per Inch:	0.00075 pounds

Mechanical Specifications

Cable Assembly

Width/Diameter	0.5 in [12.7 mm]
Weight	0.03 lbs [13.61 g]

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]

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PE3W15913LF/HS

Connectors

Description	Connector 1	Connector 2
Type	FAKRA Jack Right Angle	SMA Male Right Angle
Specification		MIL-STD-348A
Impedance	50 Ohms	50 Ohms
Configuration	Right Angle	Right Angle
Color	WB	
Contact Material and Plating	Phosphor Bronze, Gold	Brass, Gold
Contact Plating Specification		50 µin minimum
Dielectric Type	PTFE	PTFE
Outer Conductor Material and Plating	Brass, Nickel	
Body Material and Plating	Plastic	Brass, Nickel
Body Plating Specification		100 µin minimum
Coupling Nut Material and Plating		Brass, Nickel
Coupling Nut Plating Specification		100 µin minimum
Hex Size		5/16 inch
Torque		3 in-lbs 0.34 Nm

Environmental Specifications

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

Plotted and Other Data

Notes:

Water Blue FAKRA Jack Right Angle to SMA Male Right Angle Cable Using RG174 Coax with HeatShrink, LF Solder



PE3W15913LF/HS

Typical Performance Data

How to Order

Part Number Configuration:

PE3W15913LF/HS - xx

uu

Unit of Measure:

cm = Centimeters

<blank> = Inches

Length

Base Number

Example: PE3W15913LF/HS-12 = 12 inches long cable
PE3W15913LF/HS-100cm = 100 cm long cable

Water Blue FAKRA Jack Right Angle to SMA Male Right Angle Cable Using RG174 Coax with HeatShrink, 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.

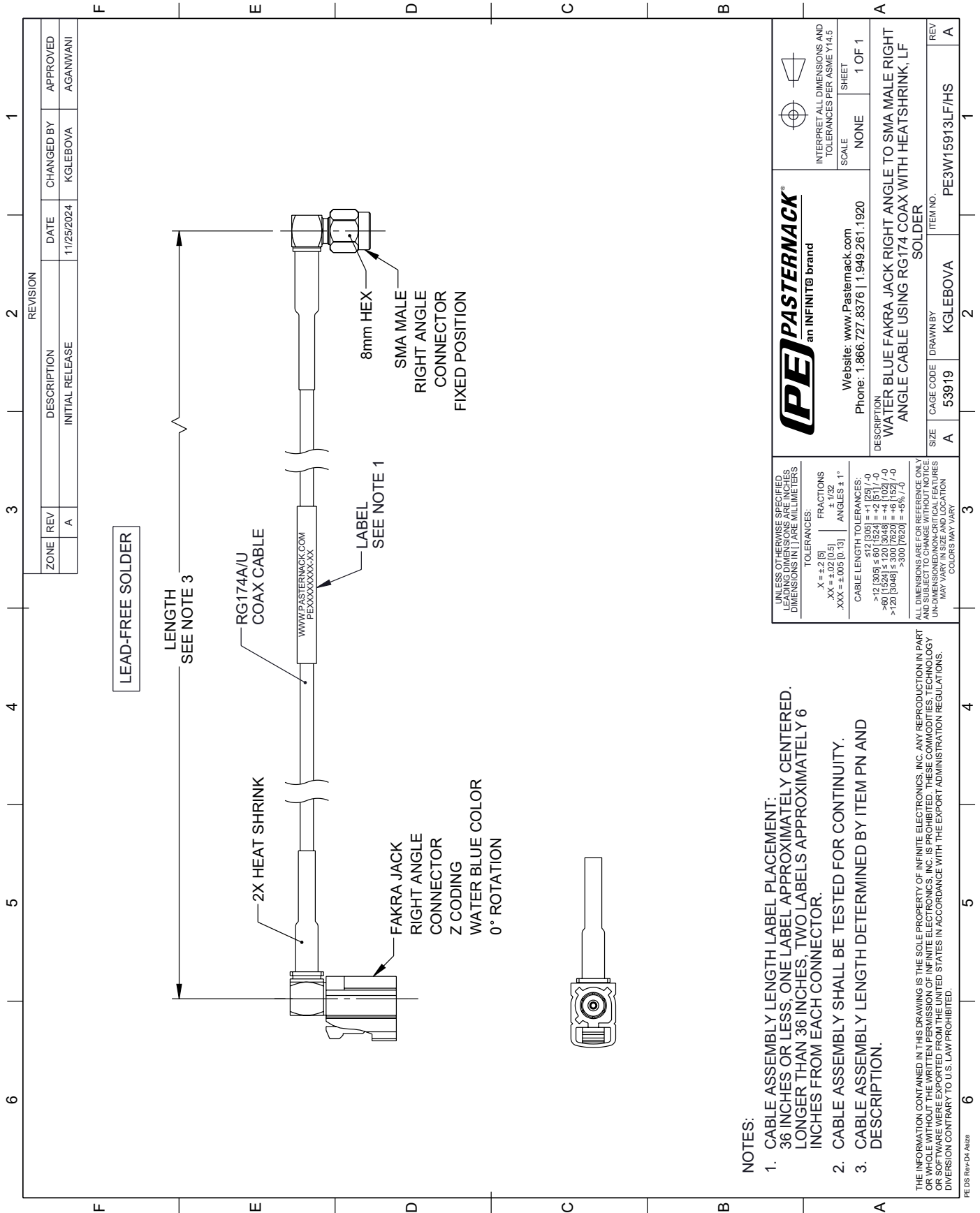
Click the following link (or enter part number in "SEARCH" on website) to obtain additional part information including price, inventory and certifications: [Water Blue FAKRA Jack Right Angle to SMA Male Right Angle Cable Using RG174 Coax with HeatShrink, LF Solder PE3W15913LF/HS](https://www.pasternack.com/fakra-jack-right-angle-to-sma-male-cable-using-rg174-coax-with-heatshrink-lf-solder-pe3w15913lf-hs)

URL: <https://www.pasternack.com/fakra-jack-right-angle-to-sma-male-cable-using-rg174-with-heatshrink-lf-solder-pe3w15913lf-hs-p.aspx>

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PE3W15913LF/HS CAD Drawing

Water Blue FAKRA Jack Right Angle to SMA Male Right Angle Cable
Using RG174 Coax with HeatShrink, LF Solder



REVISION		DATE	CHANGED BY	APPROVED
ZONE	REV	DESCRIPTION		
	A	INITIAL RELEASE	KGLEBOVA	AGANWANI

LEAD-FREE SOLDER

LENGTH SEE NOTE 3

RG174A/U COAX CABLE

WWW.PASTERNAK.COM
PE3W15913LF/HS

8mm HEX

SMA MALE
RIGHT ANGLE
CONNECTOR
FIXED POSITION

2X HEAT SHRINK

FAKRA JACK
RIGHT ANGLE
CONNECTOR
Z CODING
WATER BLUE COLOR
0° ROTATION

LABEL
SEE NOTE 1

NOTES:

- 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.
- CABLE ASSEMBLY SHALL BE TESTED FOR CONTINUITY.
- CABLE ASSEMBLY LENGTH DETERMINED BY ITEM PN AND DESCRIPTION.

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UNLESS OTHERWISE SPECIFIED LEADING DIMENSIONS ARE INCHES DIMENSIONS IN PAREMILLIMETERS	
TOLERANCES:	FRACTIONS
.X = ±.2 [5]	± 1/32
.XX = ±.02 [0.5]	± 1/64
.XXX = ±.005 [0.13]	ANGLES ± 1°
CABLE LENGTH TOLERANCES:	
>12 [305] ≤ 60 [1524] = +.1 [25] / -0	
>60 [1524] ≤ 120 [3048] = +.4 [102] / -0	
>120 [3048] ≤ 300 [7620] = +.8 [20] / -0	
>300 [7620] = +.8 [20] / -0	
ALL DIMENSIONS ARE FOR REFERENCE ONLY UNLESS OTHERWISE SPECIFIED. UNDIMENSIONED CRITICAL FEATURES MAY VARY IN SIZE AND LOCATION. COLORS MAY VARY.	

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INTERPRET ALL DIMENSIONS AND TOLERANCES PER ASME Y14.5 SCALE: NONE SHEET: 1 OF 1	
DESCRIPTION WATER BLUE FAKRA JACK RIGHT ANGLE TO SMA MALE RIGHT ANGLE CABLE USING RG174 COAX WITH HEATSHRINK, LF SOLDER	
SIZE	ITEM NO.
A	53919
CAGE CODE	DRAWN BY
A	KGLEBOVA
REV	ITEM NO.
A	PE3W15913LF/HS