

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



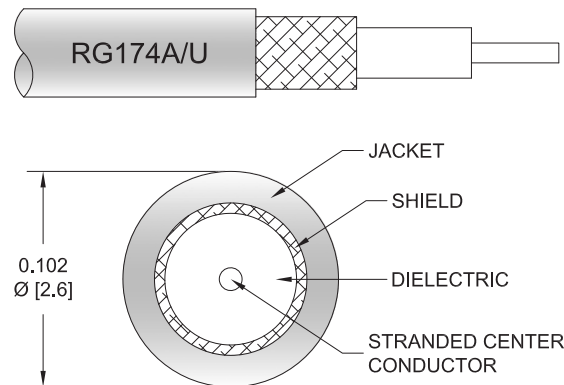
**PE3W15913/HS**

**Configuration**

- Connector 1: SMA Male Right Angle
- Connector 2: FAKRA Jack 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 PE3W15913/HS SMA male right angle to water blue FAKRA jack 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 SMA to FAKRA cable assembly has a male to jack gender configuration with 50 ohm flexible RG174 coax. The PE3W15913/HS SMA male to FAKRA jack cable assembly operates to 1 GHz. The right angle SMA and right angle FAKRA 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		1,000	MHz
VSWR			1.4:1	
Velocity of Propagation		66		%
Capacitance		31.08 [101.97]		pF/ft [pF/m]

**Specifications by Frequency**

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**PE3W15913/HS**

Part Number	Length	Description	F1	F2	F3	F4	Units	Weight (lbs)
			Frequency	100	250	500	1000	
PE3W15913/HS	Custom Lengths Available	Insertion Loss (Typ.)	0.084	0.137	0.211	0.32	dB/ft	
			0.28	0.45	0.7	1.05	dB/m	
PE3W15913/HS-12	12 In	Insertion Loss (Typ.)	0.49	0.54	0.62	0.72	dB	0.039
PE3W15913/HS-24	24 In	Insertion Loss (Typ.)	0.57	0.68	0.83	1.04	dB	0.048
PE3W15913/HS-36	36 In	Insertion Loss (Typ.)	0.66	0.82	1.04	1.36	dB	0.057
PE3W15913/HS-48	48 In	Insertion Loss (Typ.)	0.74	0.95	1.25	1.68	dB	0.066
PE3W15913/HS-72	72 In	Insertion Loss (Typ.)	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	0.063 lbs [28.58 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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**PE3W15913/HS**

**Connectors**

Description	Connector 1	Connector 2
Type	SMA Male Right Angle	FAKRA Jack Right Angle
Specification	MIL-STD-348A	
Impedance	50 Ohms	50 Ohms
Configuration	Right Angle	Right Angle
Color		WB
Contact Material and Plating	Brass, Gold	Phosphor Bronze, Gold
Contact Plating Specification	50 µin minimum	
Dielectric Type	PTFE	PTFE
Outer Conductor Material and Plating		Brass, Nickel
Body Material and Plating	Brass, Nickel	Plastic
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:

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**PE3W15913/HS**

**Typical Performance Data**

**How to Order**

Part Number Configuration:

**PE3W15913/HS - xx uu**



Example: PE3W15913/HS-12 = 12 inches long cable  
PE3W15913/HS-100cm = 100 cm long cable

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

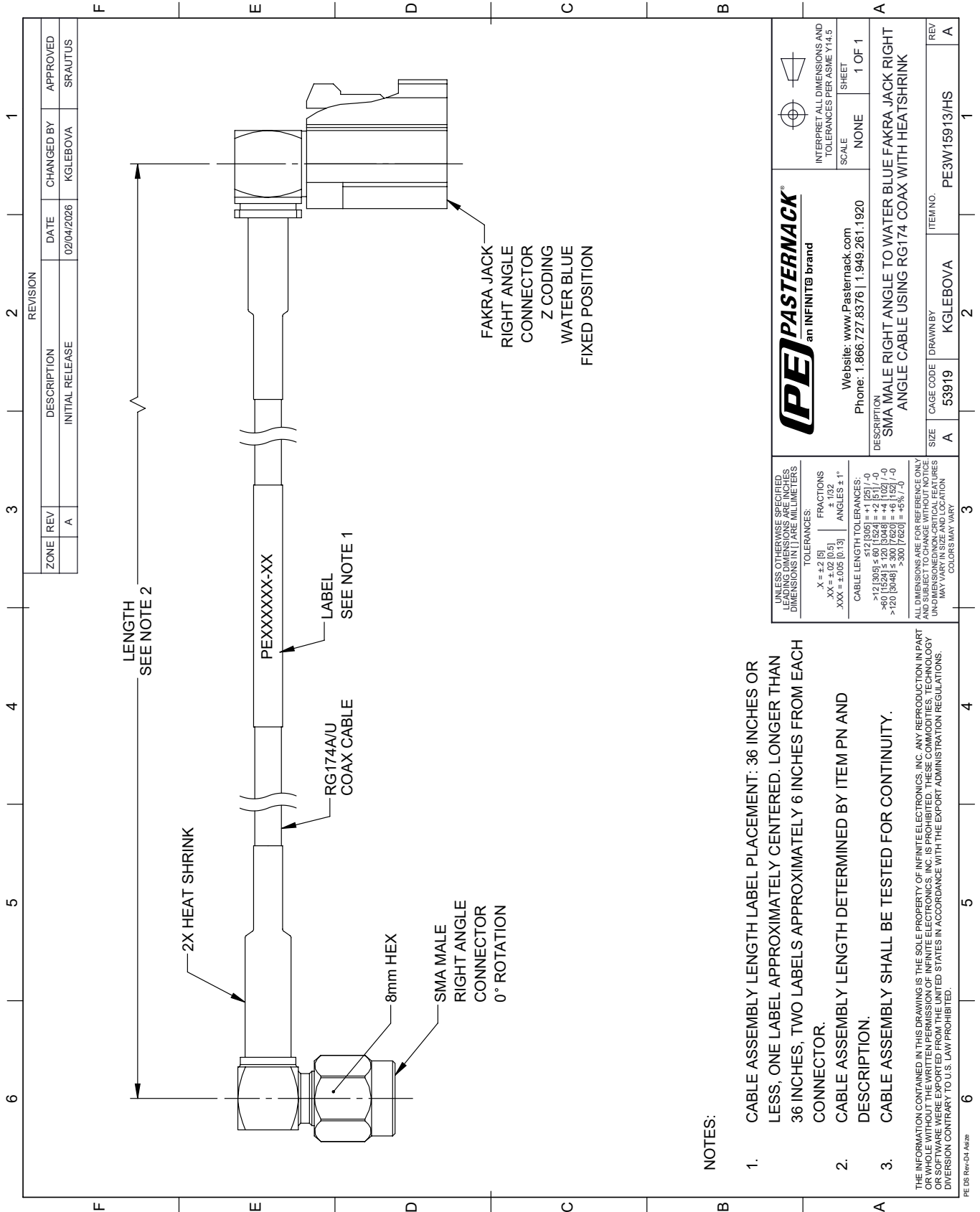
Click the following link (or enter part number in "SEARCH" on website) to obtain additional part information including price, inventory and certifications: [SMA Male Right Angle to Water Blue FAKRA Jack Right Angle Cable Using RG174 Coax with HeatShrink PE3W15913/HS](https://www.pasternack.com/sma-male-right-angle-to-fakra-jack-cable-using-rg174-with-heatshrink-pe3w15913-hs-p.aspx)

URL: <https://www.pasternack.com/sma-male-right-angle-to-fakra-jack-cable-using-rg174-with-heatshrink-pe3w15913-hs-p.aspx>

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# PE3W15913/HS CAD Drawing

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



REVISION		DATE	CHANGED BY	APPROVED	
ZONE	REV	DESCRIPTION	DATE	CHANGED BY	APPROVED
	A	INITIAL RELEASE	02/04/2026	KGLEBOVA	SRAUTUS

LENGTH SEE NOTE 2

PEXXXXX-XX

LABEL SEE NOTE 1

RG174/U COAX CABLE

2X HEAT SHRINK

8mm HEX

SMA MALE RIGHT ANGLE CONNECTOR 0° ROTATION

FAKRA JACK RIGHT ANGLE CONNECTOR Z CODING WATER BLUE FIXED POSITION

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

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		INTERPRET ALL DIMENSIONS AND TOLERANCES PER ASME Y14.5 SCALE NONE SHEET 1 OF 1	
Website: <a href="http://www.Pasternack.com">www.Pasternack.com</a> Phone: 1.866.727.8376   1.949.261.1920		DESCRIPTION SMA MALE RIGHT ANGLE TO WATER BLUE FAKRA JACK RIGHT ANGLE CABLE USING RG174 COAX WITH HEATSHRINK	
SIZE A	CAGE CODE 53919	DRAWN BY KGLEBOVA	ITEM NO. PE3W15913/HS
UNLESS OTHERWISE SPECIFIED, ALL DIMENSIONS ARE IN INCHES. DIMENSIONS IN PARENTHESES ARE IN MILLIMETERS.		ALL DIMENSIONS ARE FOR REFERENCE ONLY. DIMENSIONS OF NON-CRITICAL FEATURES MAY VARY IN SIZE AND LOCATION. COLORS MAY VARY.	
TOLERANCES: .X = ±.2 (5) .XX = ±.02 (0.5) .XXX = ±.005 (0.13)		FRACTIONS ± 1/32 ANGLES ± 1°	
CABLE LENGTH TOLERANCES: >12 (305) ≤ 60 (1524) = ±.1 (25) / -0 >60 (1524) ≤ 120 (3048) = ±.4 (102) / -0 >120 (3048) ≤ 300 (7620) = ±.5 (12.7) / -0			