

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

### PE3W06536/HS

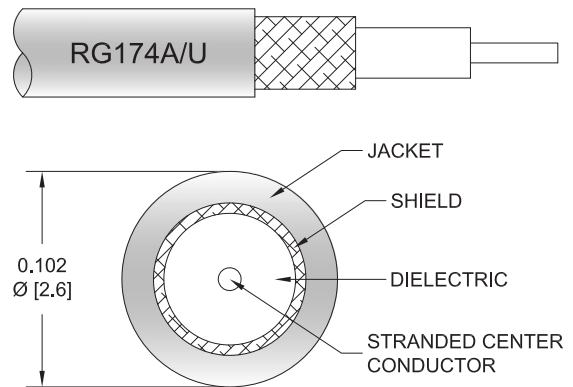


#### Configuration

- Connector 1: FAKRA Jack Right Angle
- Connector 2: SMA Male
- 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 PE3W06536/HS water blue FAKRA jack right angle to SMA 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 FAKRA to SMA cable assembly has a jack to male gender configuration with 50 ohm flexible RG174 coax. The PE3W06536/HS FAKRA jack to SMA male cable assembly operates to 1 GHz. The right angle FAKRA 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.

#### 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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### PE3W06536/HS

Part Number	Length	Description	F1	F2	F3	F4	Units	Weight (lbs)
		Frequency	100	250	500	1000	MHz	
PE3W06536/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	
PE3W06536/HS-12	12 Inch	Insertion Loss (Typ.)	0.54	0.59	0.67	0.77	dB	0.033
PE3W06536/HS-24	24 Inch	Insertion Loss (Typ.)	0.62	0.73	0.88	1.09	dB	0.042
PE3W06536/HS-36	36 Inch	Insertion Loss (Typ.)	0.71	0.87	1.09	1.41	dB	0.051
PE3W06536/HS-48	48 Inch	Insertion Loss (Typ.)	0.79	1	1.3	1.73	dB	0.06
PE3W06536/HS-72	72 Inch	Insertion Loss (Typ.)	0.96	1.28	1.72	2.37	dB	0.078

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:	0.25 dB
Loss due to Connector 2:	0.2 dB
Base Weight:	0.033 pounds
Additional Weight per Inch:	0.07833 pounds

## Mechanical Specifications

### Cable Assembly

Width/Diameter	0.5 in [12.7 mm]
Weight	0.033 lbs [14.97 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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#### Connectors

Description	Connector 1	Connector 2
Type	FAKRA Jack Right Angle	SMA Male
Impedance	50 Ohms	50 Ohms
Configuration	Right Angle	Straight
Color	WB	
Contact Material and Plating	Phosphor Bronze, Gold	Brass, Gold
Contact Plating Specification		15 µin minimum
Dielectric Type	PTFE	PTFE
Outer Conductor Material and Plating	Brass, Nickel	
Body Material and Plating	Plastic	Brass, Nickel
Body Plating Specification		200 µin minimum
Coupling Nut Material and Plating		Brass, Nickel
Coupling Nut Plating Specification		200 µin minimum

#### Environmental Specifications

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

#### Plotted and Other Data

Notes:

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### PE3W06536/HS

#### Typical Performance Data

#### How to Order

Part Number Configuration:

**PE3W06536/HS**

**- xx**

**uu**

Unit of Measure:  
cm = Centimeters  
<blank> = Inches

Length

Base Number

Example: PE3W06536/HS-12 = 12 inches long cable  
PE3W06536/HS-100cm = 100 cm long cable

Water Blue FAKRA Jack Right Angle to SMA Male 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: [Water Blue FAKRA Jack Right Angle to SMA Male Cable Using RG174 Coax with HeatShrink PE3W06536/HS](https://www.pasternack.com/fakra-jack-right-angle-to-sma-male-cable-using-rg174-with-heatshrink-pe3w06536-hs-p.aspx)

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The information contained within 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 Enterprises reserves the right to make such changes as required. Unless otherwise stated, all specifications are nominal. Pasternack Enterprises does not make any representation or warranty regarding the suitability of the part described herein for any particular purpose, and Pasternack Enterprises does not assume liability arising out of the use of any part or document.

PE3W06536/HS CAD Drawing

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