



75 Ohm BNC Female Bulkhead to 75 Ohm BNC Female Bulkhead Cable 50 CM Length Using 75 Ohm RG187 Coax

RF Cable Assemblies Technical Data Sheet

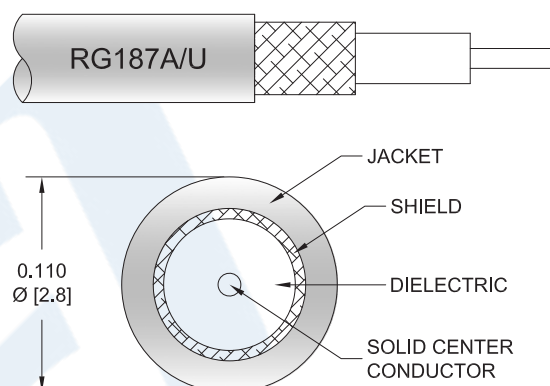
PE3W07034-50CM

Configuration

- Connector 1: BNC Female Bulkhead
- Connector 2: BNC Female Bulkhead
- Cable Type: RG187

Features

- Max Frequency 3 GHz
- 70% Phase Velocity
- PTFE Jacket



Applications

- General Purpose
- Laboratory Use

Description

Pasternack's PE3W07034-50CM 75 ohm BNC female bulkhead to 75 ohm BNC female bulkhead 50 cm cable using 75 ohm RG187 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 BNC to BNC cable assembly has a female to female gender configuration with 75 ohm flexible RG187 coax. The PE3W07034-50CM BNC female to BNC female cable assembly operates to 3 GHz. Our RF cable assembly with BNC bulkhead interface allows designers to create external connections on their product enclosures, and can be used in a variety of other rack mount and panel mount applications.

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.

Click the following link (or enter part number in "SEARCH" on website) to obtain additional part information including price, inventory and certifications: [75 Ohm BNC Female Bulkhead to 75 Ohm BNC Female Bulkhead Cable 50 CM Length Using 75 Ohm RG187 Coax PE3W07034-50CM](#)



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Electrical Specifications

Description	Minimum	Typical	Maximum	Units
Frequency Range	DC		3	GHz
VSWR			1.4:1	
Velocity of Propagation		70		%
Capacitance		19.5 [63.98]		pF/ft [pF/m]
DC Resistance Inner Conductor		245 [803.81]		Ω/1000ft [Ω/Km]
Operating Voltage (AC)			500	Vrms

Specifications by Frequency

Description	F1	F2	F3	F4	F5	Units
Frequency	400					MHz
Insertion Loss (Typ.)	21					dB

Electrical Specification Notes:

The Insertion Loss data above is based on the performance specifications of the coax cable and connectors used in this assembly. The Insertion Loss includes an estimated insertion loss of 0.1 dB per connector

Mechanical Specifications

Cable Assembly

Length*	19.68 in [499.87 mm]
Diameter	0.689 in [17.5 mm]

Cable

Cable Type	RG187
Impedance	75 Ohms
Inner Conductor Type	Stranded
Inner Conductor Material and Plating	Copper Clad Steel, Silver
Dielectric Type	PTFE
Number of Shields	1
Shield Layer 1	Silver Plated Copper Braid
Jacket Material	PTFE, White
Jacket Diameter	0.102 in [2.59 mm]

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Connectors

Description	Connector 1	Connector 2
Type	BNC Female Bulkhead	BNC Female Bulkhead
Impedance	75 Ohms	75 Ohms
Contact Material and Plating	Brass, Gold	Brass, Gold
Contact Plating Specification	30 µin minimum	30 µin minimum
Dielectric Type	PTFE	PTFE
Body Material and Plating	Brass, Nickel	Brass, Nickel
Body Plating Specification	100 µin minimum	100 µin minimum

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

Plotted and Other Data

Notes:

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PE3W07034-50CM

How to Order

Part Number Configuration:

PE3W07034

- **xx**

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

Example: PE3W07034-12 = 12 inches long cable
PE3W07034-100cm = 100 cm long cable

75 Ohm BNC Female Bulkhead to 75 Ohm BNC Female Bulkhead Cable 50 CM Length Using 75 Ohm RG187 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.

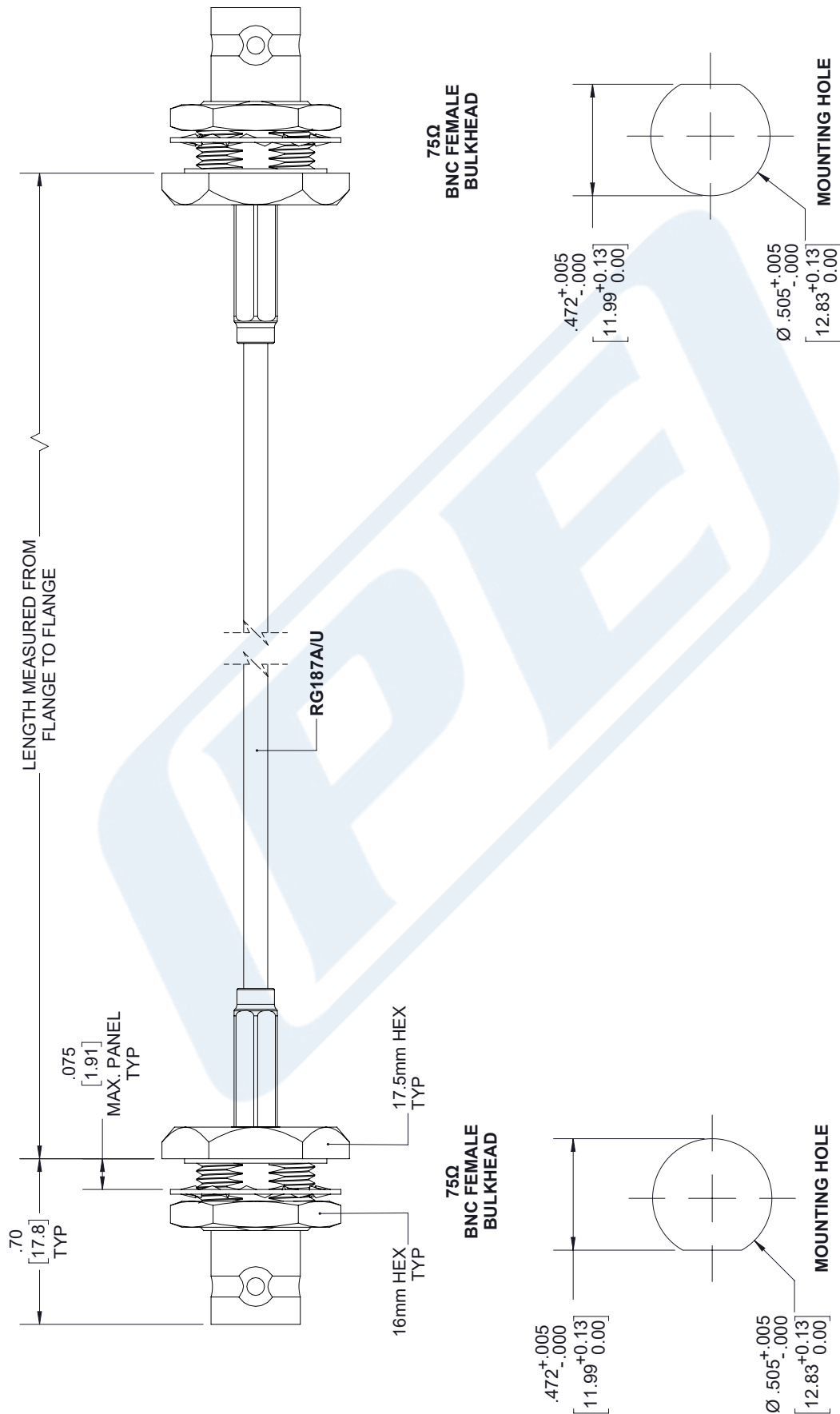
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The information contained in this document is accurate to the best of our knowledge and representative of the part described herein. It may be necessary to make modifications to the part and/or the documentation of the part, in order to implement improvements. 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.

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Cable 50 CM Length Using 75 Ohm RG187 Coax

REVISIONS			
REV.	DESCRIPTION	DATE	APPROVED
A	INITIAL RELEASE	3/13/2020	SELLIS



UNLESS OTHERWISE SPECIFIED
LEADING DIMENSIONS ARE INCHES
DIMENSIONS IN [] ARE MILLIMETERS

POLYMER		FRACTIONS	
$X = \pm 2$	[5.08]		$\pm 1/32$
$XX = \pm 0.2$	[.51]		
$XXX = \pm .005$	[.13]		ANGLES $\pm 1^\circ$

CABLE LENGTH (L) TOLERANCES:	
$L \leq 12$	[305] = +1 [25] / -0
$12 [305] < L \leq 60$	[1524] = +2 [51] / -0
$60 [1524] < L \leq 120$	[3048] = +4 [102] / -0
$120 [3048] < L \leq 300$	[7620] = +6 [152] / -0
$300 [7620] < L =$	+5% / -0

THIRD-ANGLE PROJECTION



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SHEET 1 OF 1

SCALE	N/A
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