

## 75 Ohm BNC Female Bulkhead to 75 Ohm BNC Female Bulkhead Cable Using 75 Ohm RG179 Coax



### PE3W15433

#### Configuration

- Connector 1: BNC Female Bulkhead
- Connector 2: BNC Female Bulkhead
- Cable Type: RG179
- Coax Flex Type: Flexible

#### Features

- 70% Phase Velocity
- FEP Jacket

#### Applications

- General Purpose
- Laboratory Use

#### Description

Pasternack's PE3W15433 75 ohm BNC female bulkhead to 75 ohm BNC female bulkhead cable using 75 ohm RG179 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 RG179 coax. 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.

#### Electrical Specifications

Description	Minimum	Typical	Maximum	Units
Velocity of Propagation		70		%
Capacitance		19.4 [63.65]		pF/ft [pF/m]

#### Mechanical Specifications

##### Cable Assembly

Width/Diameter	0.5 in [12.7 mm]
Weight	0.119 lbs [53.98 g]

##### Cable

Cable Type	RG179
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

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Jacket Material	FEP, Tan
Jacket Diameter	0.1 in [2.54 mm]
Repeated Minimum Bend Radius	0.4 in [10.16 mm]

**Connectors**

Description	Connector 1	Connector 2
Type	BNC Female Bulkhead	BNC Female Bulkhead
Impedance	75 Ohms	75 Ohms
Configuration	Straight	Straight
Body Material and Plating	Brass, Nickel	Brass, Nickel

**Environmental Specifications**

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

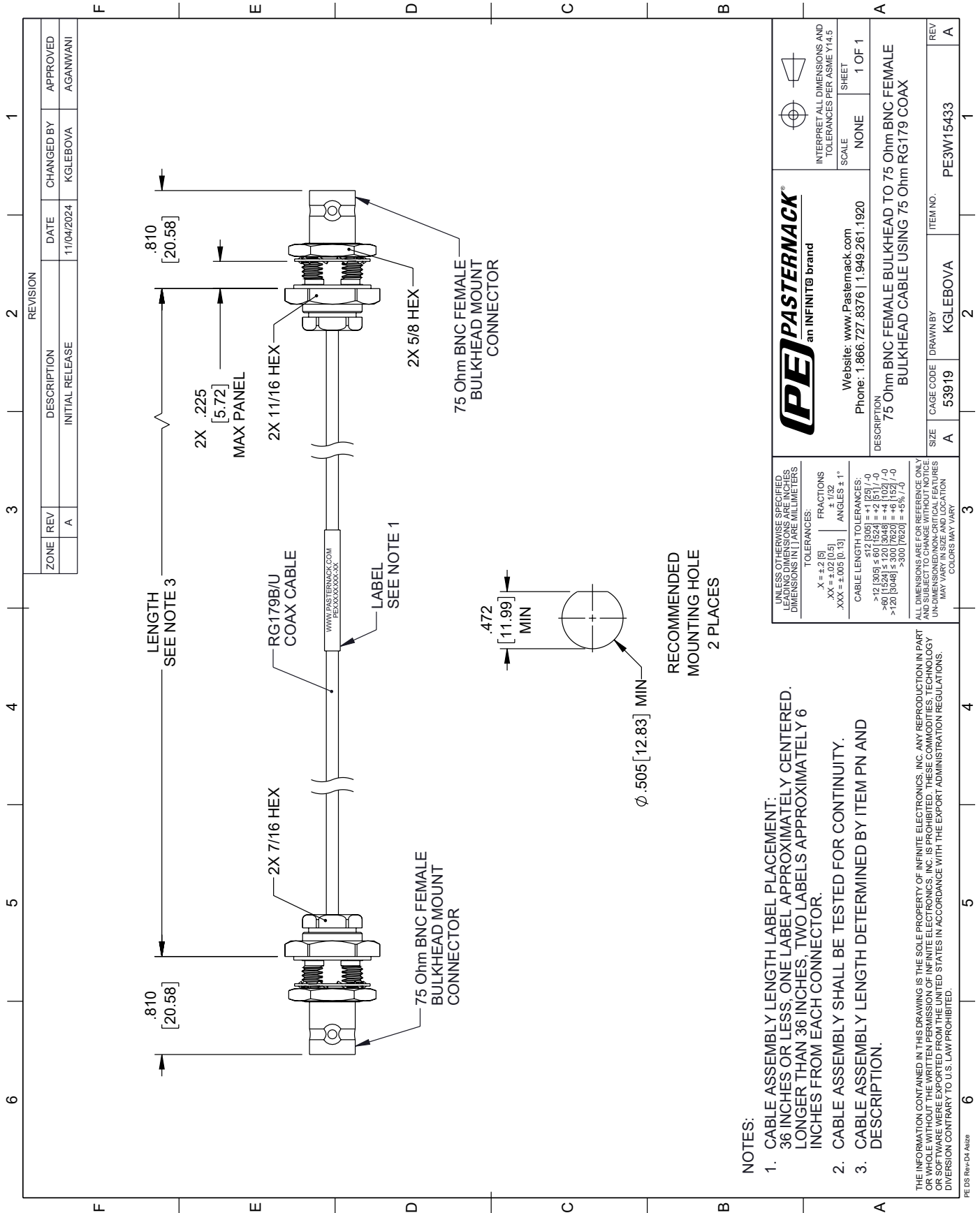
**Plotted and Other Data**

Notes:



# PE3W15433 CAD Drawing

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

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UNLESS OTHERWISE SPECIFIED LEADING DIMENSIONS ARE INCHES DIMENSIONS IN [ ] ARE MILLIMETERS	
TOLERANCES:	
.X = ±.2 [5]	FRACTIONS ± 1/32
.XX = ±.02 [0.5]	ANGLES ± 1°
.XXX = ±.005 [0.13]	
CABLE LENGTH TOLERANCES:	
>12 [305] ≤ 60 [1524] = +1 [25] / -0	
>60 [1524] ≤ 120 [3048] = +4 [102] / -0	
>120 [3048] ≤ 300 [7620] = +5 [127] / -0	
>300 [7620] = +5 [127] / -0	
ALL DIMENSIONS ARE FOR REFERENCE ONLY. DIMENSIONS ON 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: 75 Ohm BNC FEMALE BULKHEAD TO 75 Ohm BNC FEMALE BULKHEAD CABLE USING 75 Ohm RG179 COAX	
SIZE: A	CAGE CODE: 53919 DRAWN BY: KGLEBOVA ITEM NO.: PE3W15433
REV	A