



75 Ohm BNC Male Right Angle to 75 Ohm BNC Female Bulkhead Cable Using 75 Ohm RG187 Coax , LF Solder

RF Cable Assemblies Technical Data Sheet

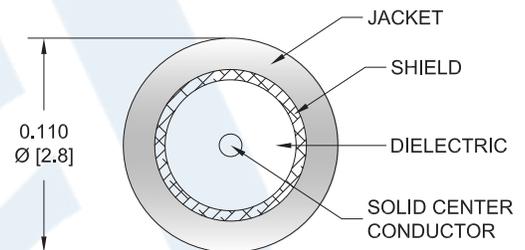
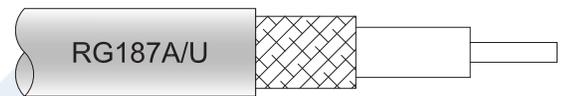
PE3W02157LF

Configuration

- Connector 1: BNC Male Right Angle
- Connector 2: BNC Female Bulkhead
- Cable Type: RG187

Features

- Max Frequency 500 MHz
- 70% Phase Velocity
- PTFE Jacket



Applications

- General Purpose
- Laboratory Use

Description

Pasternack's PE3W02157LF 75 ohm BNC male right angle to 75 ohm BNC female bulkhead 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 male to female gender configuration with 75 ohm flexible RG187 coax. The PE3W02157LF BNC male to BNC female cable assembly operates to 500 MHz. The right angle BNC interface on the RG187 cable allows for easier connections in tight spaces. 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 Male Right Angle to 75 Ohm BNC Female Bulkhead Cable Using 75 Ohm RG187 Coax , LF Solder PE3W02157LF](#)



75 Ohm BNC Male Right Angle to 75 Ohm BNC Female Bulkhead Cable Using 75 Ohm RG187 Coax , LF Solder

RF Cable Assemblies Technical Data Sheet

PE3W02157LF

Electrical Specifications

Description	Minimum	Typical	Maximum	Units
Frequency Range	DC		500	MHz
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.)	0.21					dB/ft
	0.69					dB/m

Electrical Specification Notes:

Insertion Loss does not include the loss of the connectors. Insertion Loss is estimated as 0.2 dB for the right angle connector and 0.1 dB for the straight connector.

Mechanical Specifications

Cable Assembly

Weight 0.122 lbs [55.34 g]

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]

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 Male Right Angle to 75 Ohm BNC Female Bulkhead Cable Using 75 Ohm RG187 Coax , LF Solder PE3W02157LF](#)



75 Ohm BNC Male Right Angle to 75 Ohm BNC Female Bulkhead Cable Using 75 Ohm RG187 Coax , LF Solder

RF Cable Assemblies Technical Data Sheet

PE3W02157LF

Connectors

Description	Connector 1	Connector 2
Type	BNC Male Right Angle	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
Coupling Nut Material and Plating	Brass, Nickel	
Coupling Nut Plating Specification	100 µin minimum	

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

Plotted and Other Data

Notes:

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 Male Right Angle to 75 Ohm BNC Female Bulkhead Cable Using 75 Ohm RG187 Coax , LF Solder PE3W02157LF](#)



75 Ohm BNC Male Right Angle to 75 Ohm BNC Female Bulkhead Cable Using 75 Ohm RG187 Coax , LF Solder

RF Cable Assemblies Technical Data Sheet

PE3W02157LF

How to Order

Part Number Configuration:

PE3W02157LF - xx uu

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

Example: PE3W02157LF-12 = 12 inches long cable
PE3W02157LF-100cm = 100 cm long cable

75 Ohm BNC Male Right Angle to 75 Ohm BNC Female Bulkhead Cable Using 75 Ohm RG187 Coax , 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.

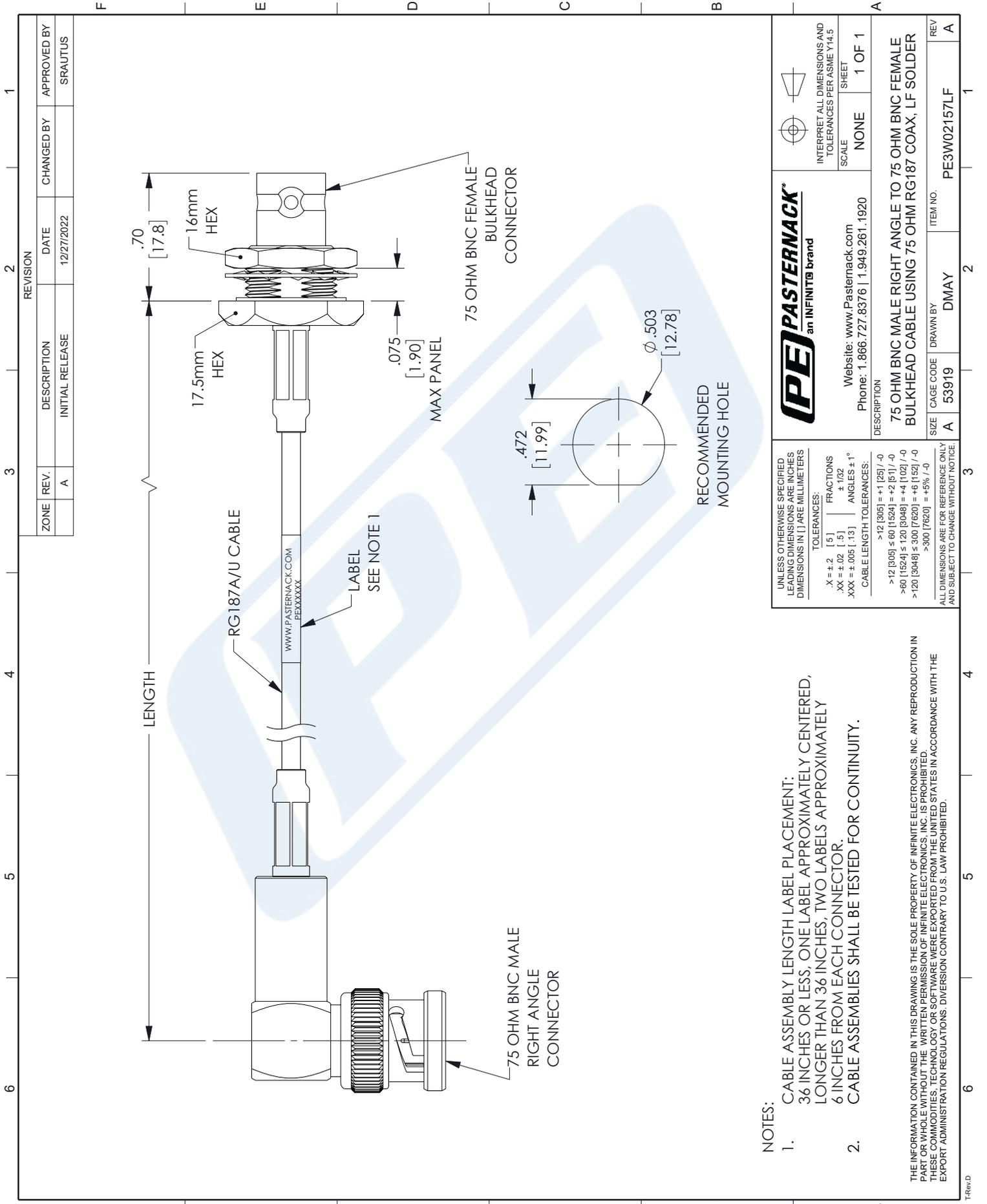
Click the following link (or enter part number in "SEARCH" on website) to obtain additional part information including price, inventory and certifications: [75 Ohm BNC Male Right Angle to 75 Ohm BNC Female Bulkhead Cable Using 75 Ohm RG187 Coax , LF Solder PE3W02157LF](#)

URL:

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.

PE3W02157LF CAD Drawing

75 Ohm BNC Male Right Angle to 75 Ohm BNC Female Bulkhead Cable Using 75 Ohm RG187 Coax , LF Solder



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 ASSEMBLIES SHALL BE TESTED FOR CONTINUITY.

THE INFORMATION CONTAINED IN THIS DRAWING IS THE SOLE PROPERTY OF INFINITE ELECTRONICS, INC. ANY REPRODUCTION IN PART OR WHOLE WITHOUT THE WRITTEN PERMISSION OF INFINITE ELECTRONICS, INC. IS PROHIBITED. THESE COMMODITIES, TECHNOLOGY OR SOFTWARE WERE EXPORTED FROM THE UNITED STATES IN ACCORDANCE WITH THE EXPORT ADMINISTRATION REGULATIONS. DIVERSION CONTRARY TO U.S. LAW PROHIBITED.

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

TOLERANCES:
 X = ±.2 [5] FRACTIONS
 .XX = ±.02 [.5] ± 1/32
 .XXX = ±.005 [.13] ANGLES ± 1°
 CABLE LENGTH TOLERANCES:
 >12 [305] = +1 [25] / -0
 >12 [305] ≤ 60 [1524] = +2 [51] / -0
 >60 [1524] ≤ 120 [3048] = +4 [102] / -0
 >120 [3048] ≤ 300 [7620] = +6 [152] / -0
 >300 [7620] = +5% / -0

ALL DIMENSIONS ARE FOR REFERENCE ONLY AND SUBJECT TO CHANGE WITHOUT NOTICE.



Website: www.Pasternack.com
 Phone: 1.866.727.8376 | 1.949.261.1920

DESCRIPTION	75 OHM BNC MALE RIGHT ANGLE TO 75 OHM BNC FEMALE BULKHEAD CABLE USING 75 OHM RG187 COAX, LF SOLDER
SCALE	NONE
SHEET	1 OF 1
ITEM NO.	PE3W02157LF
DRAWN BY	DMAY
CAGE CODE	A 53919

INTERPRET ALL DIMENSIONS AND TOLERANCES PER ASME Y14.5

ZONE	REV.	DESCRIPTION	DATE	CHANGED BY	APPROVED BY
	A	INITIAL RELEASE	12/27/2022		SRAUTUS