

NOTES:

1. MATERIALS AND FINISHES:
BODY - BRASS, NICKEL PLATING
CONTACT PIN - PHOSPHOR BRONZE, GOLD PLATING
INSULATORS - PTFE, NATURAL
LOCK RING - BRASS, NICKEL PLATING
LOCKWASHER - PHOSPHOR BRONZE, NICKEL PLATING
HEX NUT - BRASS, NICKEL PLATING
FERRULE - BRASS, NICKEL PLATING

2. ELECTRICAL:
A. IMPEDANCE: 75 OHM
B. FREQUENCY RANGE: DC - 12 GHz
C. RETURN LOSS (VSWR): -20 dB (1.2) DC - 6 GHz
-15 dB (1.43) 6 - 12 GHz
D. DIELECTRIC WITHSTANDING VOLTAGE: 1500 VRMS, MIN.

3. MECHANICAL:
A. DURABILITY: 500 CYCLES MIN.
B. TEMPERATURE RANGE: -65°C TO +165°C

4. CABLE ASSEMBLY INSTRUCTIONS
A. TRIM CABLE AS SHOWN
B. SLIDE INSULATOR DISC ONTO CABLE CENTER CONDUCTOR
C. CRIMP CONTACT TO CABLE CENTER CONDUCTOR WITH A .068" HEX DIE
D. CRIMP FERRULE WITH .324" HEX DIE

5

SHOWS CABLE ENTRY DIMENSIONS

6. PACKAGING:
A. QUANTITY: SINGLE PACK
B. MARKING: BAG TO BE MARKED
"AMPHENOL, 31-70568-12G & DATE CODE"

THIRD ANGLE PROJ.

REV

A

DESCRIPTION

RELEASE TO MFG.

DATE

29-May-19

ECN

11721

APPR

SV

Ø12,83±0,1
[.505±.004]

12,02±0,1
[.473±.004]

RECOMMENDED MOUNTING
PANEL DIMENSIONS

12,16
[.479]

4,95
[.195]

DIELECTRIC & FOIL
CENTER CONDUCTOR

19,82
[.780]

RECOMMENDED
CABLE STRIPPING DIMENSIONS

SCALE 1.500

Diagram illustrating the assembly components and dimensions for the BNC BHD Jack:

- HEX NUT
- LOCK WASHER
- 1/2-28UNEF-2A THD
- 'D' FLAT
- GASKET
- CONTACT
- INSULATOR DISC
- FERRULE
- HEX

Dimensions and Tolerances:

- Ø 5,9 [.232]
- Ø 2,08 [.082]
- Ø 1,38 [.054]
- Ø 1,32 [.052]
- Ø 9,5 [.374]
- Ø 8,5 [.335]
- Ø 7,5 [.295]
- 17,45 [.687] [11/16"] WRENCH SIZE
- 12,16 [.479]
- 4,95 [.195]
- 19,82 [.780]
- 12,02±0,1 [.473±.004]
- Ø 12,83±0,1 [.505±.004]

INTERFACE PER: MIL-STD-348 75 OHM BNC JACK

CUSTOMER OUTLINE DRAWING

ALL OTHER SHEETS ARE FOR INTERNAL USE ONLY

UNLESS OTHERWISE SPECIFIED, DIMENSIONS ARE IN METRIC AND TOLERANCES ARE: <0.5mm 0.5 - 6mm 6 - 30mm 30 - 120mm ANGLES ± 0.05mm ±0.1mm ±0.2mm ± 0.3mm ±1° NOTICE - These drawings, specifications, or other data (1) are, and remain the property of Amphenol corp. (2) must be returned upon request; and (3) are confidential and not to be disclosed to any person other than those to whom they are given by Amphenol Corp. the furnishing of these drawings, specifications, or other data by Amphenol Corp., or to any other person to anyone for any purpose is not to be regarded by implication or otherwise in any manner licensing, granting rights to permitting such holder or any other person to manufacture, use or sell any product, process or design, patented or otherwise, that may in any way be related to or disclosed by said drawings, specifications, or other data.	MATERIAL SEE NOTES	DRAWN S.VO	DATE 14-Feb-19	TITLE BNC BHD JACK FOR BELDEN 4794R CABLE	Amphenol RF www.amphenolrf.com	
		ENGINEER S.VO	DATE 14-Feb-19			
		APPROVED --	DATE --			
	REFERENCE EAR# 8870	CAD FILE		SCALE: 3.0:1.0	SHEET 2 OF 2	DRAWING NO. 31-70568-12G
	REF: CONFIGURATION LEVEL: In Work	FINISH		DWG SIZE B	REV A	ITEM NO. 31-70568-12G PART NO. 31-70568-12G

Mouser Electronics

Authorized Distributor

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