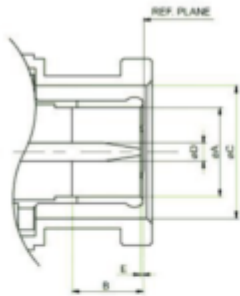
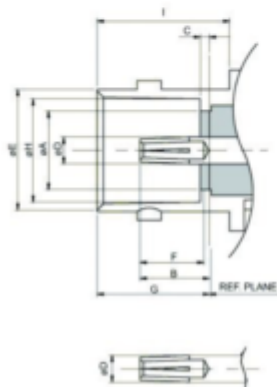


## BNC Male/Plug



Letter	Millimeters (inch)	
	Minimum	Maximum
A	4.83 (.190)	4.97 (.196)
B	5.28 (.208)	5.79 (.228)
C	9.78 (.385)	9.91 (.390)
D	1.32 (.052)	1.37 (.054)
E	0.08 (.003)	1.02 (.040)

## BNC Female/Jack



Letter	Millimeters (inch)	
	Minimum	Maximum
A	---	4.72 (.186)
B	4.72 (.186)	5.23 (.206)
C	1.50 (.059)	
D	2.10 (.827)	
E	9.60 (.378)	9.70 (.382)
F	4.95 (.195)	---
G	8.35 (.328)	8.48 (.334)
H	8.10 (.319)	8.15 (.321)
I	10.60 (.417)	---

## 75 Ohm connector BNC



### Features

- Straight and right angle
- For flexible, semi-flex and semi-rigid cables
- PCB connectors (straight and right angle)
- Panel connectors in various flanges
- Adapters

## Application

- Cable Assembly
- Antenna, CATV, Satcom
- Automotive
- Medical Equipment
- Radios, Telecommunications, Base Stations
- Instrumentation

## Materials

**Body, coupling nut** Brass, Zinc alloy(diecast)

**Insulator** Teflon, Delrin

**Center contact** Brass for male / Beryllium copper or Phosphor bronze for female

**Crimping sleeve** Annealed Brass

**Body plating** Nickel (Ni)

**Center contact plating** Gold (Au)

## Electrical Characteristics

**Impedance** 75 Ohm

**Frequency range** 0-1 GHz

**VSWR** Straight type  $\leq 1.3$  max

**Dielectric withstanding voltage** 1500 V rms

**Working voltage** 500 V rms

**Center contact resistance**  $\leq 1.5$  m $\Omega$  (Milliohms max.)

**Outer contact resistance**  $\leq 2.0$  m $\Omega$  (Milliohms max.)

**Insulation resistance**  $\geq 5000$  M $\Omega$  (Megohms min.)

## Mechanical Characteristics

**Coupling** 2-stud bayonet

**Contact Retention** 100 lbs. min.

**Vibration** MIL-STD-202 Meth. 204

**Corrosion resistance** MIL-STD-202 Meth. 101

## Environmental Characteristics

**Temperature Range** Teflon  $-65^{\circ}\text{C} \sim +85^{\circ}\text{C}$

**Coupling nut retention** 100 lbs. min.



**Vibration** MIL-STD-202 Meth. 204

**Corrosion resistance** MIL-STD-202 Meth. 101

Note : all characteristics and values are typical.

**Every effort has been put so that this document is most reliable and free from errors. However, AP Solutions Oy cannot be considered responsible for any mistake in this document and users should consult AP Solutions Oy for any information needed. AP Solutions Oy reserves the right to make changes to the documents at any time, without prior notice.**