

BNC CONNECTORS

BNC connectors are characterized by their 2-stud quick connect/disconnect bayonet coupling arrangement. They are one of the most popular of the coaxial connectors and are suitable for a wide range of systems, including Radio Telecommunication systems, Medical Equipment, Computer Networks, Safety & Security and test Instrumentation. Available in 50Ω, 75Ω, and 50Ω reverse polarity.



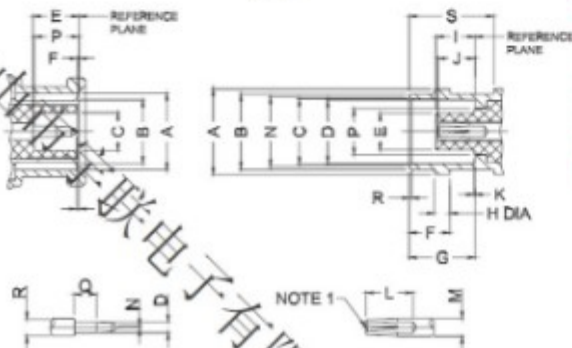
Specifications

Electrical

Impedance		50ohm	75ohm
Frequency Range		0-4 GHz	0-1 GHz
Working Voltage		500 VRMS max	500 VRMS max.
Dielectric Withstanding Voltag		1500VRMS min	1500VRMS min
VSWR	Straight	1.3 max	1.3 max
	Right Angle	1.5 Max	1.5 Max
Contact Resistance	Center contact	3 Milliohms Max.	3 Milliohms Max.
	Outer contact	2 Milliohms Max	2 Milliohms Max
Insulator Resistance		5000 Megohms min	5000 Megohms min

Material

Parts Name	MATERIAL	Finish
Body, metal Parts	Brass	Nickel or Gold plated
Center Contacts	Plug: Brass Jack: Beryllium copper, Phosphor Bronze or Brass	Gold or Silver per requirement Gold or Silver per requirement
Insulators	Teflon, POM	None
Crimp ferrules	Annealed copper	Nickel or Gold Per requirement
Clamp Gaskets	Silicone rubber, or PVC	None



NOTE 1: I. D. TO MEET VSWR AND CONTACT RESISTANCE WHEN MATED WITH 1.32/1.37 MM DIA PIN.

Letter	PLUG Millimeters	
	Minimum	Maximum
A	9.75	9.93
B	-	-
C	4.83	5.04
D	1.32	1.37
E	5.33	5.84
F	0.15	0.46
G	0.08	1.02
H	-	0.64
I	5.25	5.79
J	1.88	-
K	2.06	2.21

Letter	JACK Millimeters	
	Minimum	Maximum
A	9.97	11.07
B	9.60	9.70
C	3.30	8.46
D	8.15	8.15
E	2.75	5.25
F	8.31	8.51
G	1.91	2.06
H	4.78	5.06
I	4.72	5.27
J	-	0.14
K	4.95	-
L	2.06	2.21
M	8.79	9.04
N	-	6.50
P	0.38	0.76
S	10.53	-