

BNC 50Ω, N, M, TNC, F/RCA Series – High Frequency



BNC 50Ω, N, M, TNC, F/RCA Features

- High quality Sam Woo medium size coaxial connectors provide best performance for various applications.
- 75Ω products available upon request.

Adapter Basic Features

- Various between series adapter.
 - BNC-N
 - BNC-SMA
 - M-RCA
 - N-TNC
 - BNC-M
 - BNC-TNC
 - N-M
 - BNC-RCA
 - F-RCA
 - N-SMA
- Other types available upon request.

Major Performance

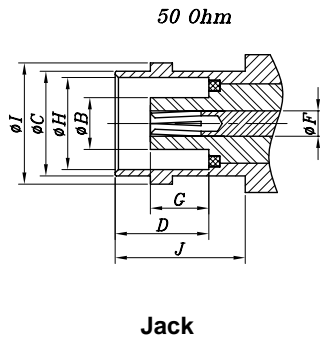
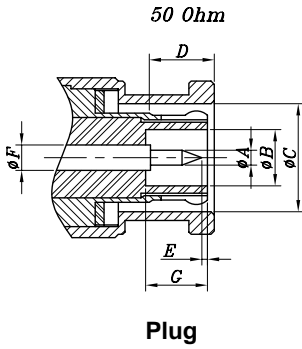
BNC 50Ω	Impedance	50Ω		Contact resistance	Center Contacts	3.0mΩ	
	Frequency range	Semi-rigid	DC 18GHz		Insulation resistance	Outer Contacts	2.5mΩ
		Flexible	DC 12.4GHz	5000MΩ min			
	Contact current	DC 2.0A max		Insertion loss	0.05 f(GHz)db		
	Working voltage	Semi-rigid	1000V	V.S.W.R	<1.15+0.02f(GHz)		
Flexible		750V	RF leakage	-60dB min@2~3GHz			
N	Impedance	50Ω		Insulation resistance	1000MΩ min		
	Frequency range	DC to 4GHz		Insertion loss	0.6dB max		
	Contact current	DC 1.5A max		V.S.W.R	Straight	1.3+0.04f	
	Voltage rating	250V R.M.S			Right-angle	1.4+0.06f	
	Contact resistance	Center Contacts	0.3mΩ	RF leakage	-55dB min. between 2 to 3 GHz		
Outer Contacts		0.5mΩ					
M	Impedance	50Ω		Contact resistance	Center Contacts	5mΩ	
	Frequency range	up to 2 GHz			Outer Contacts	1mΩ	
	Contact current	DC 1.5A		Insulation resistance	1000MΩ min		
	Voltage rating	250V R.M.S		V.S.W.R	Straight	1.3 max	
					Right-angle	1.35 max	
TNC	Impedance	50Ω		Contact resistance	Center Contacts	5mΩ	
	Frequency range	up to 2 GHz			Outer Contacts	1mΩ	
	Contact current	DC 1.5A		Insulation resistance	1000MΩ min		
	Voltage rating	250V R.M.S		V.S.W.R	Straight	1.3 max	
					Right-angle	1.35 max	
F/RCA	Impedance	50Ω		Contact resistance	Center Contacts	5mΩ	
	Frequency range	up to 2 GHz			Outer Contacts	1mΩ	
	Contact current	DC 1.5A		Insulation resistance	1000MΩ min		
	Voltage rating	250V R.M.S		V.S.W.R	Straight	1.3 max	
					Right-angle	1.35 max	

Material Used / Finishing Material

General		Material	Finish
Body		Zinc alloy or Brass	Nickel plate
Insulator		Ptfe	White
Contacts	Pin	Brass	Gold plate
	Socket	Brass	Gold plate

Specifications subject to change without notice. Consult Sam Woo Electronics for the latest specifications.

BNC 50Ω Interface Dimensions

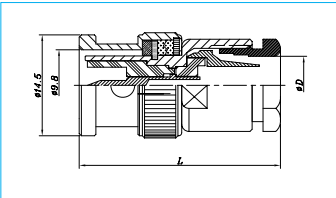


Interface Dimension

BNC	Plug mm		Jack mm	
	min.	max.	min.	max.
A	1.32	1.37		
B	4.83			4.72
C	9.78	9.91	9.6	9.7
D	5.38		8.31	8.51
E	0.35		4.95	
F	2.14		2.14	
G	5.28		max1.5	5.28
H			8.1	8.15
I			10.97	11.07
J			10.52	

BNC Plugs

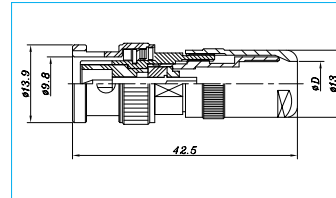
BNC Straight Plug (Clamp)



Part Number

BNC-P-5
BNC-P-7
BNC-P-8U
BNC-P-58U
BNC-P-59U

BNC King Size Plug (Clamp)

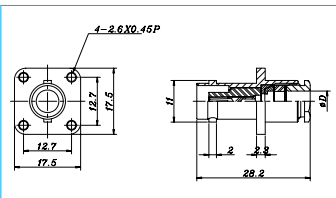


Part Number

BNC-PK-58U
BNC-PK-59U
BNC-PK-5V
BNC-PK-5W
BNC-PK-7C
BNC-PK-10C

BNC Jack

Straight Panel (Clamp)

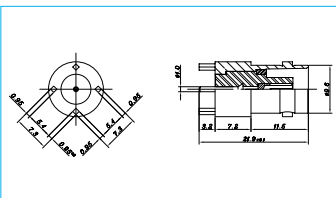


Part Number

BNC-PJ-58U
BNC-PJ-59U

BNC Receptacles

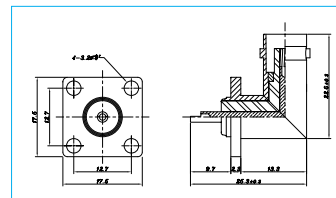
Straight PCB Mount



Part Number

BNC-JR

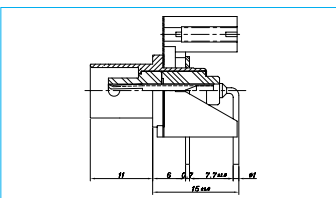
Right-angle Flange Panel



Part Number

BNC-LR

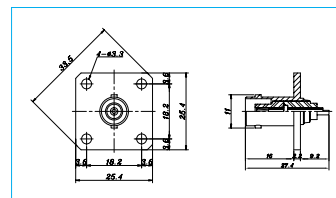
Horizontal w/o Switch



Part Number

BNC-PCL

Flange Panel



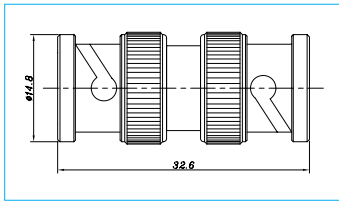
Part Number

BNC-R

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Adapters

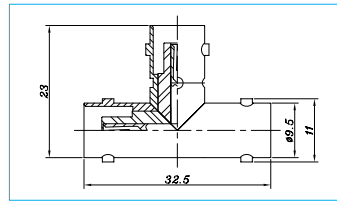
Plug - Plug Adapter



Part Number

BNC-A(PP)

Jack - Jack - Jack Adapter



Part Number

BNC-TA(JJJ)

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