



ADP-BNCF-BNCF-R

BNC Plug to BNC Jack Adapter

The ADP-BNCF-BNCF-R is a BNC plug to BNC right-angle jack adapter. Operating from 0 Hz to 7 GHz, the ADP-BNCF-BNCF-R combines superior performance, compact size, and a convenient bayonet-style mating interface to provide a reliable, easy-to-use adapter. Additionally, all Linx BNC adapters meet RoHS lead free standards and are tested to meet requirements for corrosion resistance, vibration, mechanical and thermal shock.

FEATURES

- 0 to 7 GHz operation
- BNC plug (male pin) connection
 - Nickel plated brass body
 - Gold plated brass center contact
- BNC jack (female socket) connection
 - Nickel plated brass body
 - Gold plated phosphor bronze center contact
- Right-angle design

APPLICATIONS

- Audio/Video
- Broadcasting
- Test Equipment
- Surveillance Systems
- Ethernet
- Industrial, Commercial, Enterprise

ORDERING INFORMATION

Part Number	Description
ADP-BNCF-BNCF-R	BNC plug (male pin) to BNC right-angle jack (female socket) adapter

Available from Linx Technologies and select distributors and representatives.

TABLE 1. ELECTRICAL SPECIFICATIONS

Parameter	Value
Impedance	50 Ω
Frequency Range	0 Hz to 7 GHz
Contact Resistance	Center: ≤ 3.0 mΩ Outer: ≤ 2.0 mΩ
Insertion Loss (dB max.)	0.7
VSWR (max.)	1.8

PRODUCT DIMENSIONS

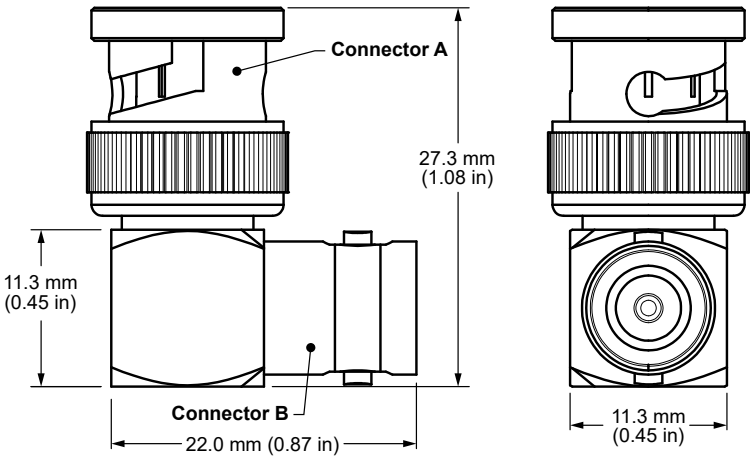


Figure 1. Product Dimensions for the ADP-BNCF-BNCF Adapter

TABLE 2. ADAPTER COMPONENTS

ADP-BNCF-BNCF-R	Connector A BNC plug (male pin)		Connector B BNC jack (female socket)	
Connector Part	Material	Finish	Material	Finish
Body	Brass	Nickel	Brass	Nickel
Center Contact	Brass	Gold	Phosphor bronze	Gold
Insulator	PTFE	-	PTFE	-

TABLE 3. MECHANICAL SPECIFICATIONS

ADP-BNCF-BNCF-R	Connector A BNC plug (male pin)	Connector B BNC jack (female socket)
Mounting Type	Inline, Free-hanging	
Fastening Type	Bayonet-style Coupling (Push/Twist)	Bayonet-style Coupling (Push/Twist)
Interface in Accordance with	MIL-STD-348B	MIL-STD-348B
Durability	500 cycles min.	500 cycles min.
Weight	19.5 g (0.69 oz)	

TABLE 4. ENVIRONMENTAL SPECIFICATIONS

MIL-STD, Method, Test Condition	
Corrosion (Salt spray)	MIL-STD-202 Method 101 test condition B
Thermal Shock	MIL-STD-202 Method 107 test condition C
Vibration	MIL-STD-202 Method 204 test condition B
Mechanical Shock	MIL-STD-202 Method 213 test condition B
Moisture Resistance	MIL-STD-202 Method 106 test condition D
Temperature Range	-65 °C to +165 ° C
Environmental Compliance	RoHS

INSERTION LOSS

Figure 2 shows the Insertion Loss for the ADP-BNCF-R adapter. Insertion loss is the loss of signal power (gain) resulting from the insertion of a device in a transmission line.

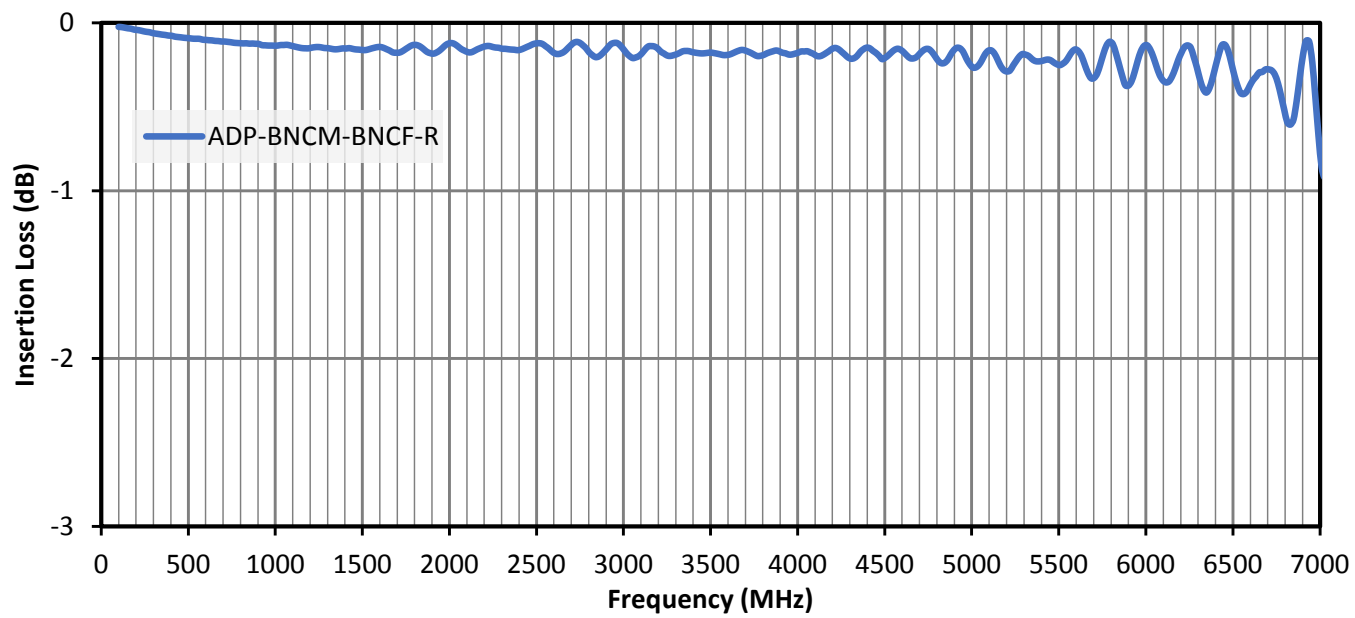


Figure 2. Insertion Loss for the ADP-BNCF-R Adapter

VSWR

Figure 3 provides the voltage standing wave ratio (VSWR) across the adapter's bandwidth for the ADP-BNCM-BNCF-R adapter. VSWR describes how efficiently power is transmitted. A lower VSWR value indicates better performance at a given frequency.

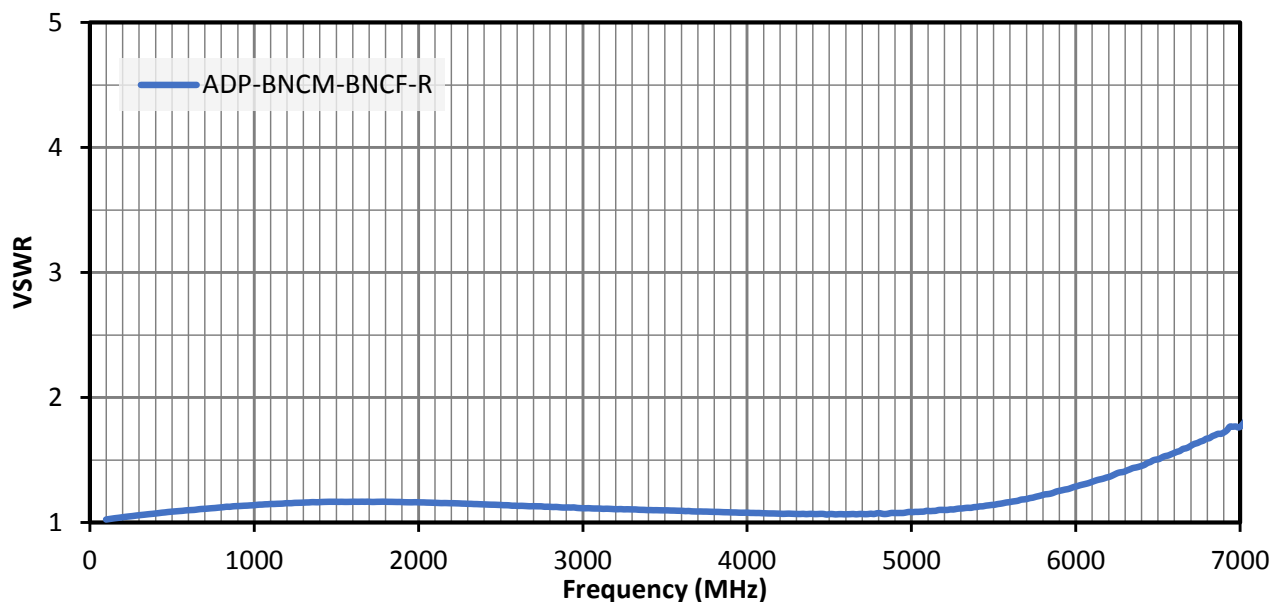


Figure 3. VSWR for the ADP-BNCF-BNCF Adapter

PACKAGING INFORMATION

The ADP-BNCM-BNCF-R adapter is individually placed in a clear polyethylene bag. 25 pcs are packaged in a larger protective bag. 750 pcs are packaged in a shipping carton (370 mm x 330 mm x 240 mm). Distribution channels may offer alternative packaging options.

TE TECHNICAL SUPPORT CENTER

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