



## ADP-NM-NF-R-W

### N Plug to N Jack Adapter

The ADP-BNCF-T is a BNC plug to BNC T jack adapter. Operating from 0 Hz to 6.5 GHz, the ADP-BNCF-T 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 12 GHz operation
- N plug (male pin) connection
  - Nickel plated brass body
  - Gold plated brass center contact
- N jack (female socket) connection
  - Nickel plated brass body
  - Gold plated phosphor bronze center contact
- Right-angle design

### APPLICATIONS

- Cellular IoT
  - LTE-M (Cat-M1), NB-IoT
- Cellular
  - 5G/4G LTE/3G/2G
- WiFi/WLAN
  - WiFi 6/6E
- GNSS
  - GPS, Galileo, GLONASS, BeiDou, QZSS
- Radar, Satellite Communications, Experimental
- Industrial, Commercial, Enterprise

### ORDERING INFORMATION

Part Number	Description
ADP-NM-NF-R-W	N plug (male pin) to N jack (female socket) right-angle adapter

Available from Linx Technologies and select distributors and representatives.

TABLE 1. ELECTRICAL SPECIFICATIONS

Parameter	Value
Impedance	50 $\Omega$
Frequency Range	0 Hz to 12 GHz
Contact Resistance	Center: $\leq 3.0\text{ m}\Omega$ Outer: $\leq 2.0\text{ m}\Omega$
Insertion Loss (dB max.)	0.4
VSWR (max.)	1.4

PRODUCT DIMENSIONS

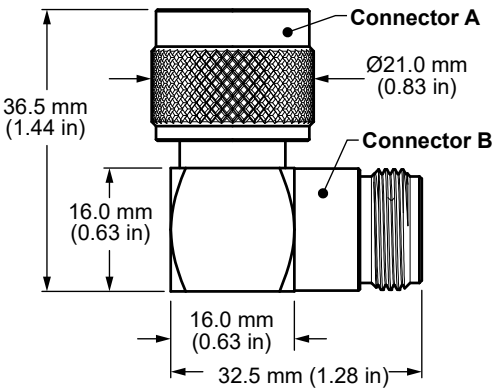


Figure 1. Product Dimensions for the ADP-NM-NF-R-W Adapter

TABLE 2. ADAPTER COMPONENTS

ADP-NM-NF-R-W	Connector A N plug (male pin)		Connector B N 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-NM-NF-R-W	Connector A N plug (male pin)	Connector B N jack (female socket)
Mounting Type	Inline, Free-hanging	
Fastening Type	5/8"-24UNEF Threaded Coupling	5/8"-24UNEF Threaded Coupling
Interface in Accordance with	MIL-STD-348B	MIL-STD-348B
Recommended Torque	0.85 N m (7.5 ft lbs)	0.85 N m (7.5 ft lbs)
Coupling Nut Retention	100 lbs. min.	100 lbs. min.
Durability	500 cycles min.	500 cycles min.
Weight	70.0 g (2.47 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-NM-NF-R-W adapter. Insertion loss is the loss of signal power (gain) resulting from the insertion of a device in a transmission line.

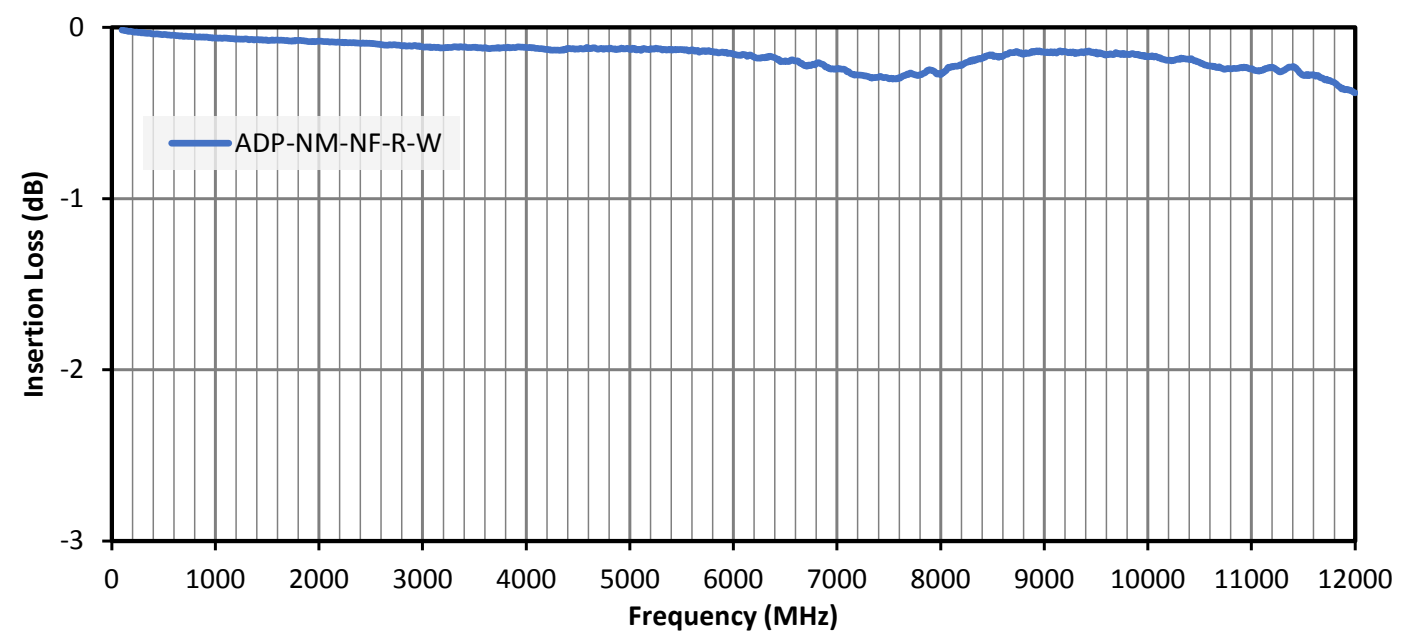


Figure 2. Insertion Loss for the ADP-NM-NF-R-W Adapter

## VSWR

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

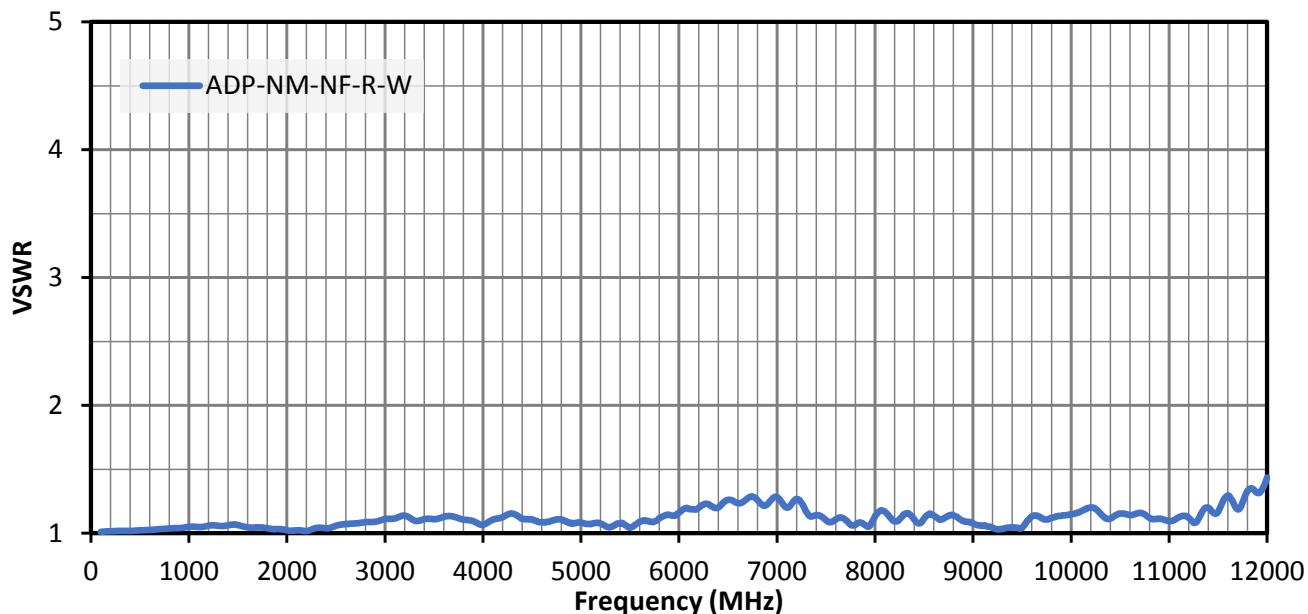


Figure 3. VSWR for the ADP-NM-NF-R-W Adapter

## PACKAGING INFORMATION

The ADP-NM-NF-R-W adapter is individually placed in a clear polyethylene bag. 25 pcs are packaged in a larger protective bag. 500 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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