



## ADP-TNCM-TNCF-R

### TNC Plug to TNC Jack Adapter

The ADP-TNCM-TNCF-R is a TNC plug to TNC jack right-angle adapter. Operating from 0 Hz to 7 GHz, the ADP-TNCM-TNCF-R combines superior performance, compact size, and a convenient threaded mating interface to provide a reliable, easy-to-use adapter. Linx TNC adapters are ideal for making rugged connections. Additionally, all Linx 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
- TNC plug (male pin) connection
  - Nickel plated brass body
  - Gold plated brass center contact
- TNC jack (female socket) connection
  - Nickel plated brass body
  - Gold plated phosphor bronze center contact
- Ideal for rugged connections

#### APPLICATIONS

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

#### ORDERING INFORMATION

Part Number	Description
ADP-TNCM-TNCF-R	TNC plug (male pin) to TNC 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 7 GHz
Contact Resistance	Center: $\leq 3.0 \text{ m}\Omega$ Outer: $\leq 2.0 \text{ m}\Omega$
Insertion Loss (dB max.)	0.9
VSWR (max.)	1.9

## PRODUCT DIMENSIONS

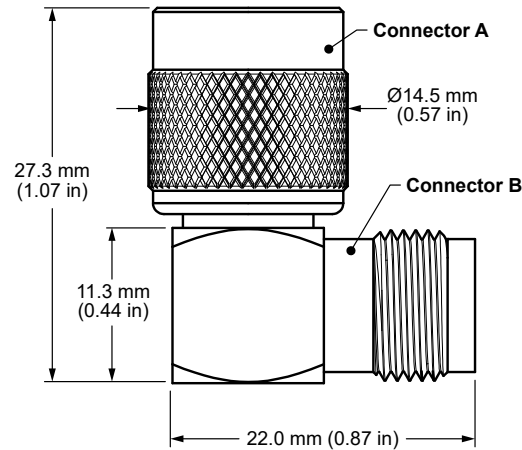


Figure 1. Product Dimensions for the ADP-TNCM-TNCF-R Adapter

## TABLE 2. ADAPTER COMPONENTS

ADP-TNCM-TNCF-R	Connector A TNC plug (male pin)		Connector B TNC jack (female socket)	
	Material	Finish	Material	Finish
Connector Part	Brass	Nickel	Brass	Nickel
Body	Brass	Nickel	Brass	Nickel
Center Contact	Brass	Gold	Phosphor bronze	Gold
Insulator	POM	-	POM	-

## TABLE 3. MECHANICAL SPECIFICATIONS

ADP-TNCM-TNCF-R	Connector A TNC plug (male pin)	Connector B TNC jack (female socket)
Mounting Type	Inline, Free-hanging	
Fastening Type	7/16"-28UNEF Threaded Coupling	7/16"-28UNEF Threaded Coupling
Interface in Accordance with	MIL-STD-348B	MIL-STD-348B
Recommended Torque	1.14 N·m (10.0 in·lbs)	1.14 N·m (10.0 in·lbs)
Coupling Nut Retention	100 lbs min.	100 lbs min.
Durability	500 cycles min.	500 cycles min.
Weight	21.9 g (0.77 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-TNCM-TNCF-R adapter. Insertion loss is the loss of signal power (gain) resulting from the insertion of a device in a transmission line.

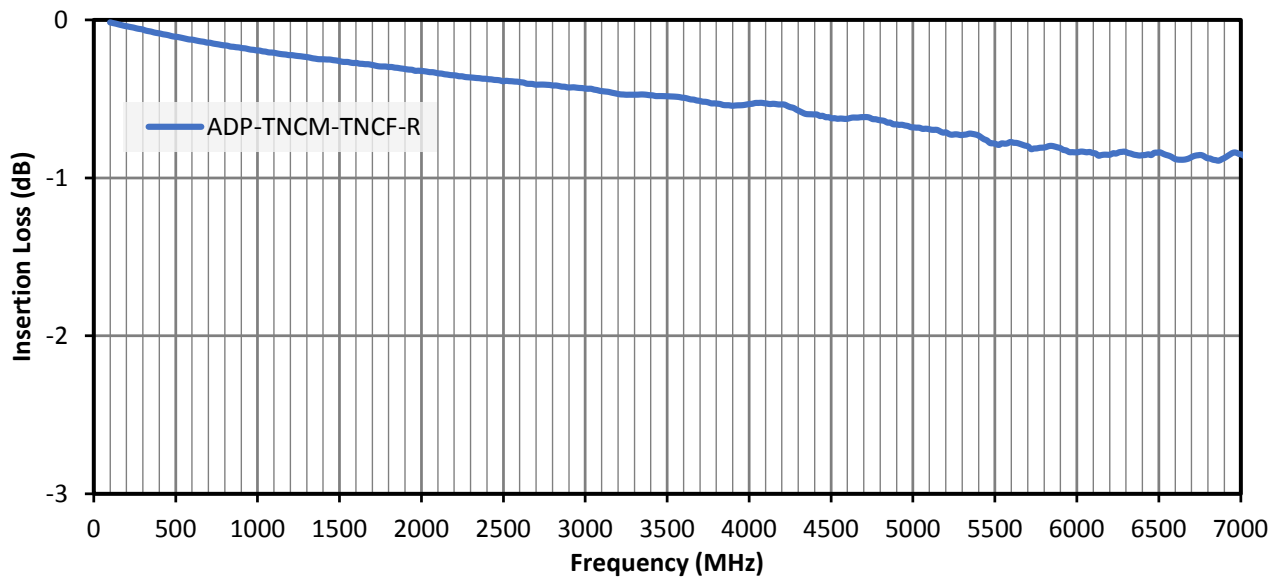


Figure 2. Insertion Loss for the ADP-TNCM-TNCF-R Adapter

## VSWR

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

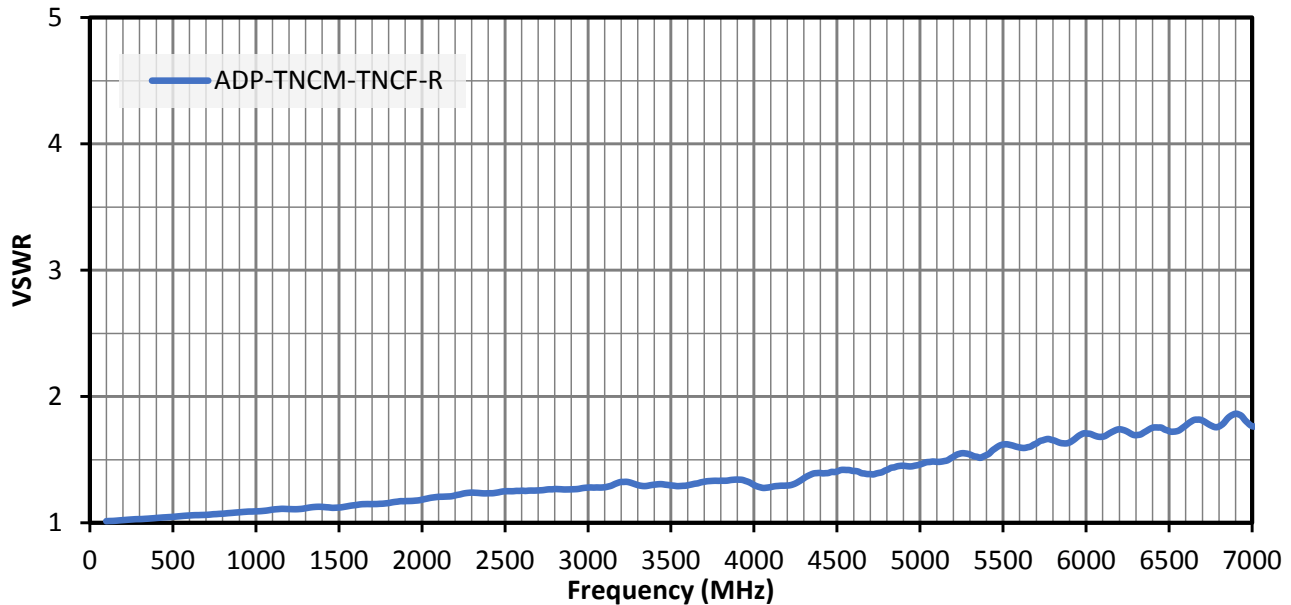


Figure 3. VSWR for the ADP-TNCM-TNCF-R Adapter

## PACKAGING INFORMATION

The ADP-TNCM-TNCF-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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