



## ADP-BNCM-BNCF-T-2

### BNC Plug to BNC T Jack Adapter

The ADP-BNCM-BNCF-T-2 is a BNC plug to BNC T jack adapter. Operating from 0 Hz to 3 GHz, the ADP-BNCM-BNCF-T-2 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 3 GHz operation
- BNC plug (male pin) connection
  - Nickel plated brass body
  - Gold plated brass center contact
- BNC T jack (female socket) connections
  - Nickel plated brass body
  - Gold plated brass center contact

#### APPLICATIONS

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

#### ORDERING INFORMATION

| Part Number       | Description   |
|-------------------|---|
| ADP-BNCM-BNCF-T-2 | BNC plug (male pin) to BNC T jack (female socket) adapter |

Available from Linx Technologies and select distributors and representatives.

## TABLE 1. ELECTRICAL SPECIFICATIONS

| Parameter                | Value  |                  |
|--------------------------|--|------------------|
| Impedance                | 50 $\Omega$  |                  |
| Frequency Range          | 0 Hz to 3 GHz  |                  |
| Contact Resistance       | Center: $\leq 3.0$ m $\Omega$ Outer: $\leq 2.0$ m $\Omega$ |                  |
| Port-to-Port             | Port 2 to Port 1   | Port 2 to Port 3 |
| Insertion Loss (dB max.) | 3.8  | 7.5              |
| VSWR (max.)              | 2.1  | 2.6              |

## PRODUCT DIMENSIONS

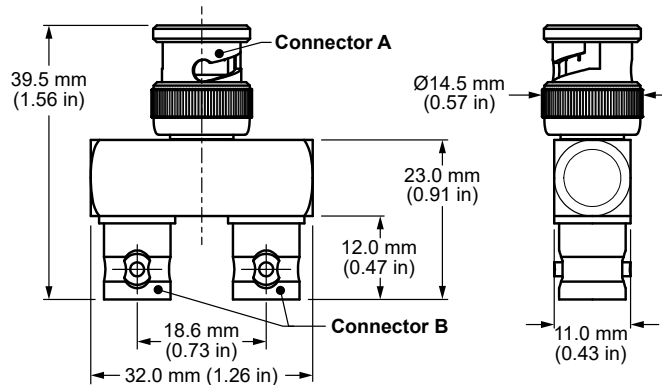


Figure 1. Product Dimensions for the ADP-BNCF-BNCF-T-2 Adapter

## TABLE 2. ADAPTER COMPONENTS

| ADP-BNCF-BNCF-T-2 | Connector A<br>BNC plug (male pin) |        | Connector B<br>BNC jack (female socket) |        |
|-------------------|------------------------------------|--------|---|--------|
|                   | Material                           | Finish | Material                                | Finish |
| Connector Part    | Brass                              | Nickel | Brass                                   | Nickel |
| Body              | Brass                              | Nickel | Brass                                   | Nickel |
| Center Contact    | Brass                              | Gold   | Brass                                   | Gold   |
| Insulator         | POM                                | -      | POM                                     | -      |

## TABLE 3. MECHANICAL SPECIFICATIONS

| ADP-BNCF-BNCF-T-2            | Connector A<br>BNC plug (male pin)  | Connector B<br>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                   | 50 cycles min.                      | 50 cycles min.                          |
| Weight                       | 33.9 g (1.20 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               | -20 °C to +85 ° C                       |
| Environmental Compliance        | RoHS                                    |

## INSERTION LOSS

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

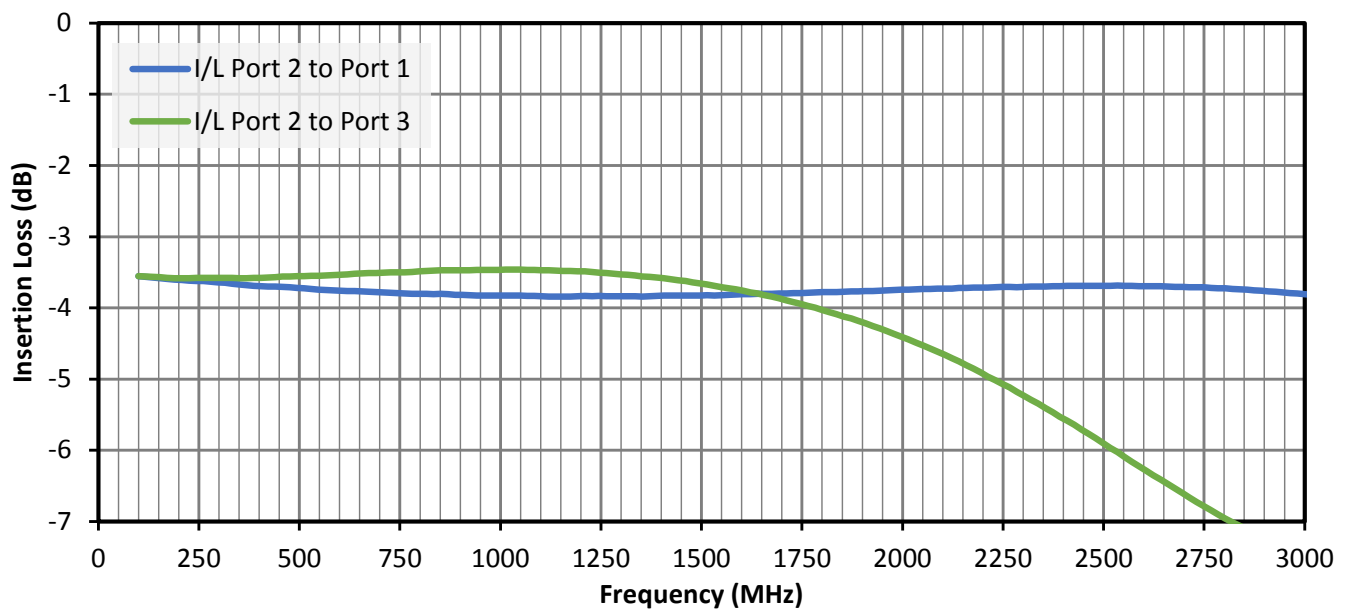


Figure 2. Insertion Loss for the ADP-BNCM-BNCF-T-2 Adapter