

TNC Female to 7/16 DIN Female Adapter



## RF Adapters Technical Data Sheet

ET12100

### Configuration

- TNC Female Connector 1
- 7/16 DIN Female Connector 2

- 50 Ohm
- Straight Body Geometry

#### Features

Gold Plated Beryllium Copper Contact

## Applications

Allows Connection Between Series

General Purpose Test

#### Description

Ebeestock's ET12100 TNC female to 7/16 DIN female adapter is part of our full line of RF components available for sameday shipping. Our TNC to 7/16 DIN adapter has a female to female gender configuration. ET12100 TNC female to 7/16 DIN female adapter operates to 7.5 GHz.

RF adapters are often used to enable connections between two connector types that would otherwise not mate. Certain adapter configurations can also be used to protect connectors on expensive equipment where the number of connect/disconnect cycles is high. An RF, microwave or millimeter wave adapter is connected to the equipment, and the commonly changed connection is made with the adapter which can be easily replaced when it wears out after high usage; such adapters are referred to as connector savers. Ebeestock also offers bulkhead, panel mount, hermetically sealed, reverse polarity, and isolated ground adapter varieties to serve all of your RF, microwave and millimeter wave needs.

#### Electrical Specifications

| Description                          | Minimum | Typical | Maximum | Units |
|--------------------------------------|---------|---------|---------|-------|
| Frequency Range                      | DC      |         | 7.5     | GHz   |
| Operating Voltage (AC)               |         |         | 500     | Vrms  |
| Dielectric Withstanding Voltage (AC) |         |         | 1,500   | Vrms  |
| Insulation Resistance                | 50,000  |         |         | MOhms |

#### Mechanical Specifications

Size

 Length
 2.08 in [52.83 mm]

 Width
 1.15 in [29.21 mm]

 Weight
 0.204 lbs [92.53 g]

| Description | Connector 1 | Connector 2     |  |
|-------------|-------------|-----------------|--|
| Type        | TNC Female  | 7/16 DIN Female |  |
| Polarity    | Standard    | Standard        |  |
|             |             |                 |  |

Click the following link (or enter part number in "SEARCH" on website) to obtain additional part information including price, inventory and certifications: TNC Female to 7/16 DIN Female Adapter ET12100



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#### **Material Specifications**

|  | Connecte                   | Connector 1 |                  | Connector 2    |  |  |
|--|----------------------------|-------------|------------------|----------------|--|--|
| Description                                | n Material                 | Plating     | Material         | Plating        |  |  |
| Туре                                       | TNC Female                 |             | 7/16 DIN Female  |                |  |  |
| Contact                                    | Beryllium Copper           | Gold        | Beryllium Copper | Gold           |  |  |
| Insulation                                 | PTFE                       |             | PTFE             |                |  |  |
| Outer Conductor Passivated Stainless Steel |                            | Brass       | Tri-Metal        |                |  |  |
|  |                            |             |                  | 3μ in. minimum |  |  |
| Body                                       | Passivated Stainless Steel |             | Brass            | Tri-Metal      |  |  |
|  |                            |             |                  | 3µ in. minimum |  |  |

## Environmental Specifications

Temperature

Operating Range

-65 to +165 deg C

Compliance Certifications (see product page for current document)

#### Plotted and Other Data

Notes:

TNC Female to 7/16 DIN Female Adapter from Ebeestock Enterprises has same day shipment for domestic and International orders. Our RF, microwave and millimeter wave products maintain a 99.4% availability and are part of the broadest selection in the industry.

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URL: https://www.ebeestock.com/tnc-female-to-7-16-din-female-adapter-0012100

The information contained in this document is accurate to the best of our knowledge and representative of the part described herein. It may be necessary to make modifications to the part and/or the documentation of the part, in order to implement improvements. Ebeestock reserves the right to make such changes as required. Unless otherwise stated, all specifications are nominal. Ebeestock does not make any representation or warranty regarding the suitability of the part described herein for any particular purpose, and Ebeestock does not assume any liability arising out of the use of any part or documentation.

# ET12100 CAD Drawing TNC Female to 7/16 DIN Female Adapter

