

Ruggedized 3.5mm NMD Female to SMA Female Adapter



# RF Adapters Technical Data Sheet

ET12767

## Configuration

- 3.5mm NMD Female Connector 1
- SMA Female Connector 2
- 50 Ohms

- Ruggedized Design
- Straight Body Geometry

### Features

• 4 µin minimum contact plating

Gold Plated Beryllium Copper Contact

## Applications

Allows Connection Between Series

General Purpose Test

### Description

Ebeestock's ET12767 ruggedized 3.5mm NMD female to SMA female adapter is part of our full line of RF components available for same-day shipping. Our 3.5mm NMD to SMA adapter has a female to female gender configuration in a ruggedized design. ET12767 3.5mm NMD female to SMA female adapter operates to 27 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      |         | 27      | GHz   |
|                 |         |         |         |       |

#### Performance by Frequency

| Description     | F1      | F2      | F3       | F4       | F5 | Units |
|-----------------|---------|---------|----------|----------|----|-------|
| Frequency Range | DC to 5 | 5 to 11 | 11 to 19 | 19 to 27 |    | GHz   |
| VSWR, Typ       | 1.05:1  | 1.07:1  | 1.1:1    | 1.3:1    |    |       |
|                 |         |         |          |          |    |       |

Electrical Specification Notes: Values at 25°C, sea level.

## Mechanical Specifications

Size

Click the following link (or enter part number in "SEARCH" on website) to obtain additional part information including price, inventory and certifications: Ruggedized 3.5mm NMD Female to SMA Female Adapter ET12767

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| Description | Connector 1      | Connector 2 |  |
|-------------|------------------|-------------|--|
| Туре        | 3.5mm NMD Female | SMA Female  |  |
| Polarity    | Standard         | Standard    |  |

#### Material Specifications

|                 | Connector 1                |               | Conne                      | ctor 2        |
|-----------------|----------------------------|---------------|----------------------------|---------------|
| Description     | n Material                 | Plating       | Material                   | Plating       |
| Туре            | 3.5mm NMD Female           |               | SMA Female                 |               |
| Contact         | Beryllium Copper           | Gold          | Beryllium Copper           | Gold          |
|                 |                            | 4 µin minimum |                            | 4 µin minimum |
| Insulation      | Oxide-Noryl                |               | Oxide-Noryl                |               |
| Outer Conductor | Passivated Stainless Steel |               | Passivated Stainless Steel |               |
| Coupling Nut    | Passivated Stainless Steel |               |                            |               |
|                 |                            |               |                            |               |

#### Compliance Certifications (see product page for current document)

Ruggedized 3.5mm NMD Female to SMA Female Adapter from Ebeestock Enterprises has same day shipment for domestic and International orders. Our RF, microwave and millimeter wave products maintain a 99% availability and are part of the broadest selection in the industry.

Click the following link (or enter part number in "SEARCH" on website) to obtain additional part information including price, inventory and certifications: Ruggedized 3.5mm NMD Female to SMA Female Adapter ET12767

URL: https://www.ebeestock.com/ruggedized-3-5mm-nmd-female-to-sma-female-adapter-0012767

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.

ET12767 CAD Drawing
Ruggedized 3.5mm NMD Female to SMA Female Adapter

