

SMA Male to SMA Female 4 Hole Flange Mount Adapter



## RF Adapters Technical Data Sheet

ET12684

### Configuration

- SMA Male Connector 1
- SMA Female Connector 2
- 50 Ohm

- Straight Body Geometry
- 4 Hole Flange Mount Method

#### Features

- Max VSWR of 1.2:1 up to 18 GHz
- SMA interface compliant with MIL-STD-348
- Epoxy captivation

- Contact plating according to MIL-G-45204
- Gold Plated Beryllium Copper Contact

## Applications

General Purpose Test

Rack Mounted Equipment

#### Description

Ebeestock's ET12684 SMA male to SMA female 4 hole flange adapter is part of our full line of RF components available for same-day shipping. The SMA connector mates mechanically with commercially available 3.5mm and 2.92mm (K) connectors. Our SMA to SMA adapter has a male to female gender configuration. ET12684 SMA male to SMA female adapter operates to 18 GHz. The Ebeestock RF adapter provides excellent VSWR of 1.2:1 maximum. This RF SMA to SMA 4 hole flange adapter allows designers to create external connections on their product enclosures, and can be used in a variety of other rack mount and panel mount applications.

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      |         | 18      | GHz   |
| VSWR                                 |         |         | 1.2:1   |       |
| Operating Voltage (AC)               |         |         | 500     | Vrms  |
| Dielectric Withstanding Voltage (AC) |         |         | 1,500   | Vrms  |
| Insulation Resistance                | 5,000   |         |         | MOhms |

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

### Mechanical Specifications

Size

Length 0.93 in [23.62 mm]

Click the following link (or enter part number in "SEARCH" on website) to obtain additional part information including price, inventory and certifications: SMA Male to SMA Female 4 Hole Flange Mount Adapter ET12684

8th Floor, Building 1, Yongfu Science and Technology Center Industrial Park, Nanzha District 5, Humen,523900, Dongguan, Guangdong, China.



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Width 0.5 in [12.7 mm] 0.0154 lbs [6.99 g]

| Connector 1 | Connector 2                             |
|-------------|---|
| SMA Male    | SMA Female                              |
| Standard    | Standard                                |
| MIL-STD-348 | MIL-STD-348                             |
| Ероху       | Ероху                                   |
| 500         | 500                                     |
| 5/16 inch   |   |
|             | SMA Male Standard MIL-STD-348 Epoxy 500 |

### Material Specifications

|                 | Connector 1                |             | Connector 2                |             |  |
|-----------------|----------------------------|-------------|----------------------------|-------------|--|
| Description     | on Material                | Plating     | Material                   | Plating     |  |
| Туре            | SMA Male                   |             | SMA Female                 |             |  |
| Contact         | Beryllium Copper           | Gold        | Beryllium Copper           | Gold        |  |
|                 |                            | MIL-G-45204 |                            | MIL-G-45204 |  |
| Insulation      | PTFE                       |             | PTFE                       |             |  |
| Outer Conductor |                            |             | Passivated Stainless Steel |             |  |
| Body            | Passivated Stainless Steel |             |                            |             |  |
| Coupling Nut    | Passivated Stainless Steel |             |                            |             |  |
|                 |                            |             |                            |             |  |

-65 to +165 deg C

# **Environmental Specifications**

Temperature

Operating Range

Compliance Certifications (see product page for current document)

#### Plotted and Other Data

Notes:

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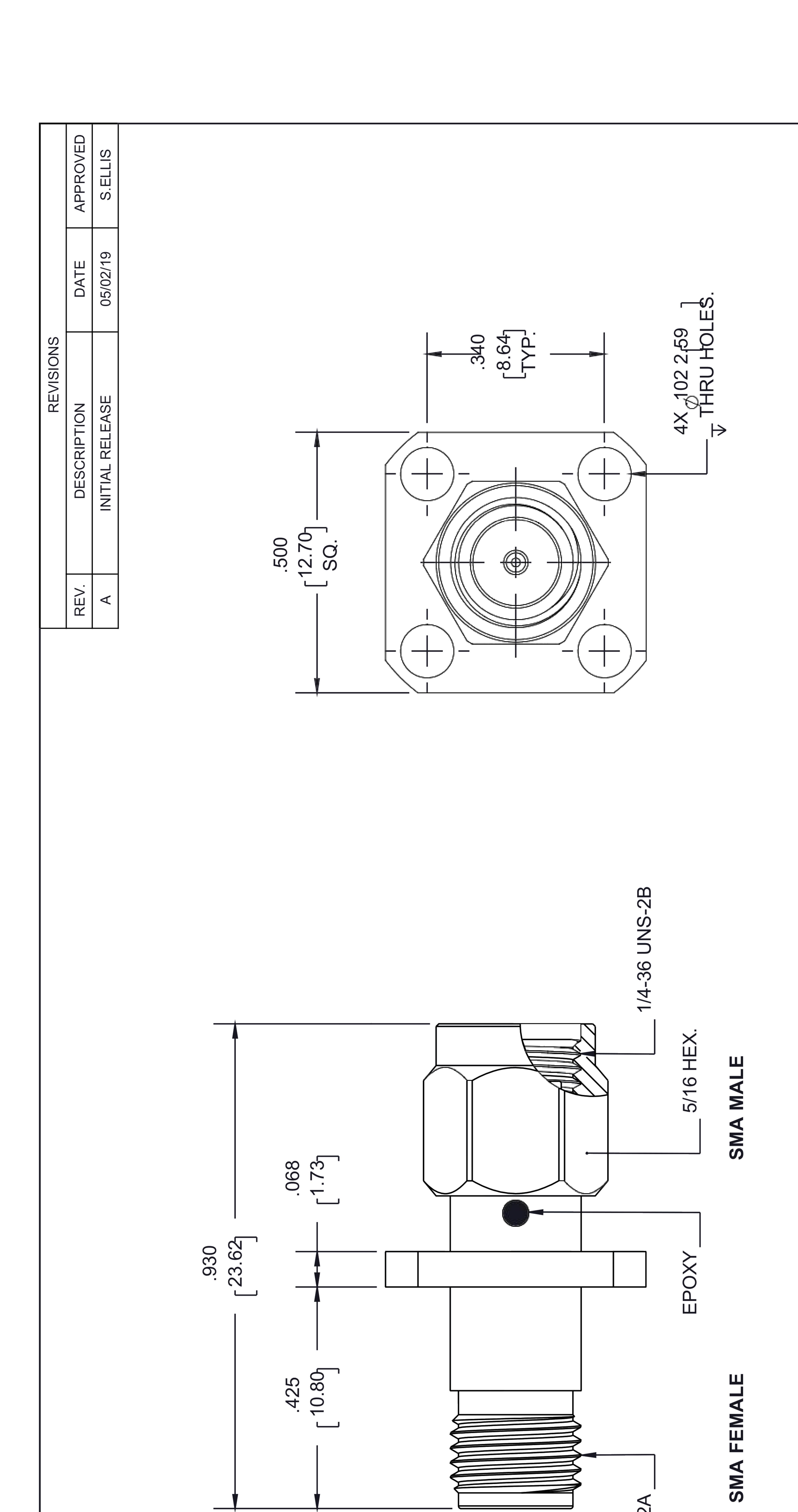
ET12684

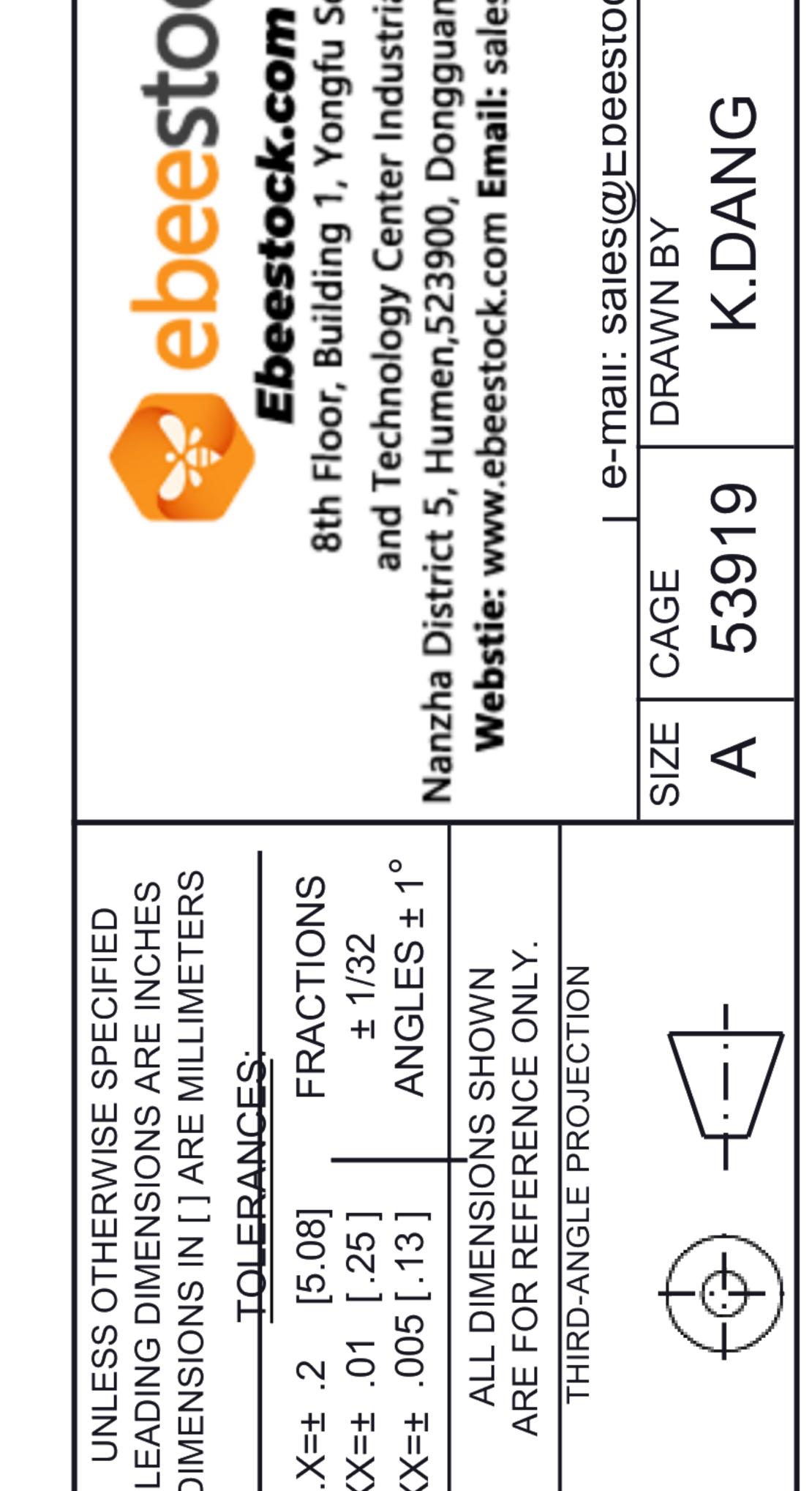
SMA Male to SMA Female 4 Hole Flange Mount Adapter from Ebeestock Enterprises has same day shipment for domestic and International orders. Our RF, microwave and millimeter wave products maintain a 99.4% availability and are part of the broadest selection in the industry.

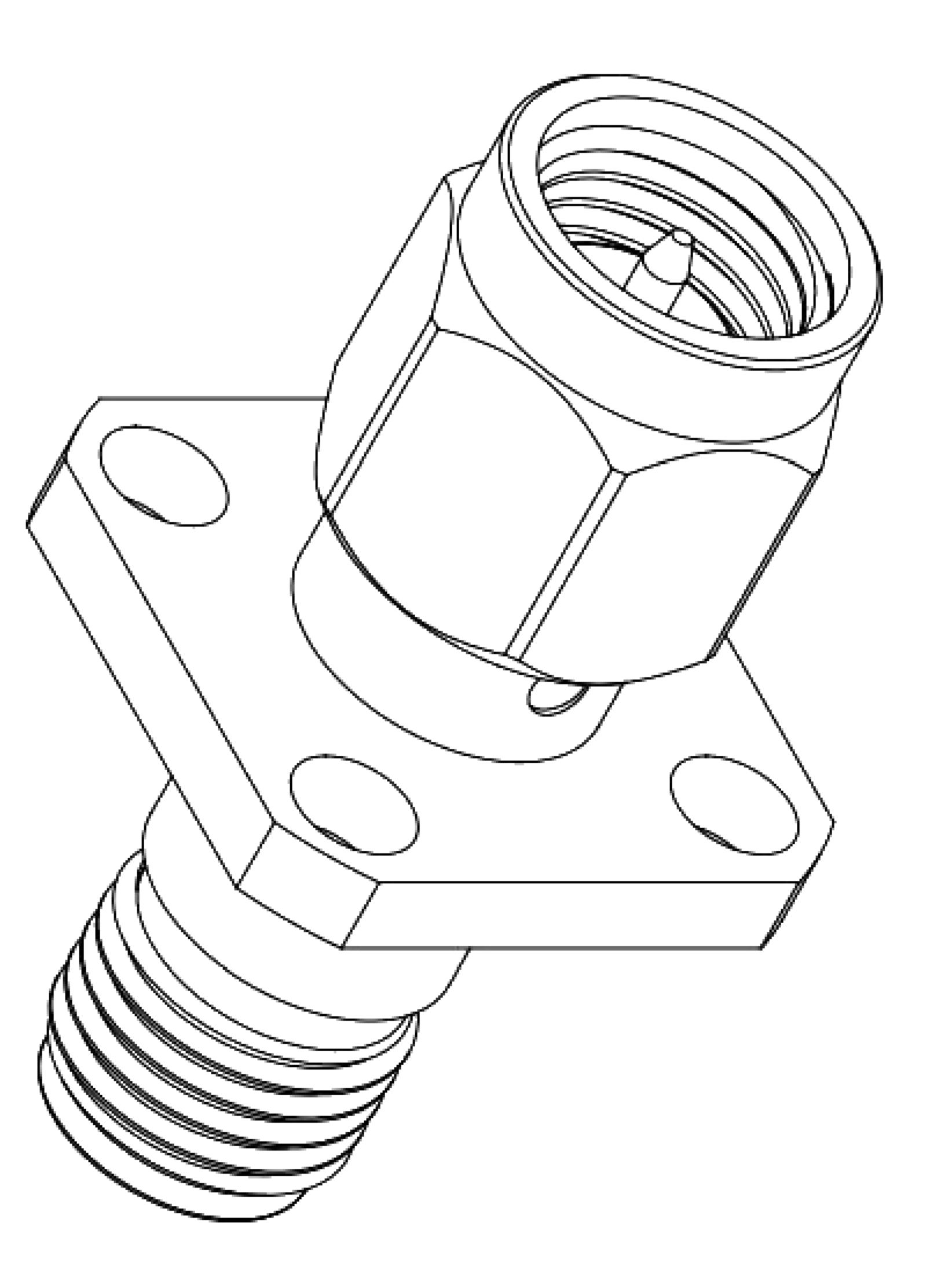
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URL: https://www.ebeestock.com/sma-male-to-sma-female-4-hole-flange-mount-adapter-0012684

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