



3.5mm Male to 2.4mm Male Adapter

RF Adapters Technical Data Sheet

PE9649

Configuration

- 3.5mm Male Connector 1
- 2.4mm Male Connector 2
- 50 Ohms
- Straight Body Geometry

Features

- Max VSWR of 1.25:1 up to 34 GHz
- Gold Plated Beryllium Copper Contact

Applications

- Allows Connection Between Series
- General Purpose Test

Description

Pasternack's PE9649 3.5mm male to 2.4mm male adapter is part of our full line of RF components available for same-day shipping. The 3.5mm connector mates mechanically with commercially available SMA and 2.92mm (K) connectors. The 2.4mm connector mates mechanically with commercially available 1.85mm (V) connectors. Our 3.5mm to 2.4mm adapter has a male to male gender configuration built of durable stainless steel. PE9649 3.5mm male to 2.4mm male adapter operates to 34 GHz. The Pasternack RF adapter provides excellent VSWR of 1.25:1 maximum.

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. Pasternack 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 | | 34 | GHz |
| VSWR | | | 1.25:1 | |

Mechanical Specifications

| Size | |
|--------|--------------------|
| Length | 0.75 in [19.05 mm] |
| Width | 0.312 in [7.92 mm] |
| Weight | 0.013 lbs [5.9 g] |

Click the following link (or enter part number in "SEARCH" on website) to obtain additional part information including price, inventory and certifications: [3.5mm Male to 2.4mm Male Adapter PE9649](#)



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| Description | Connector 1 | Connector 2 |
|-------------|-------------|-------------|
| Type | 3.5mm Male | 2.4mm Male |
| Polarity | Standard | Standard |
| Hex Size | 5/16 in. | 5/16 in. |

Material Specifications

| Description | Connector 1 | | Connector 2 | |
|-------------|----------------------------|---------|----------------------------|---------|
| | Material | Plating | Material | Plating |
| Type | 3.5mm Male | | 2.4mm Male | |
| Contact | Beryllium Copper | Gold | Beryllium Copper | Gold |
| Body | Passivated Stainless Steel | | Passivated Stainless Steel | |

Environmental Specifications

Temperature

Operating Range -65 to +125 deg C

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

Plotted and Other Data

Notes:

3.5mm Male to 2.4mm Male Adapter from Pasternack 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.

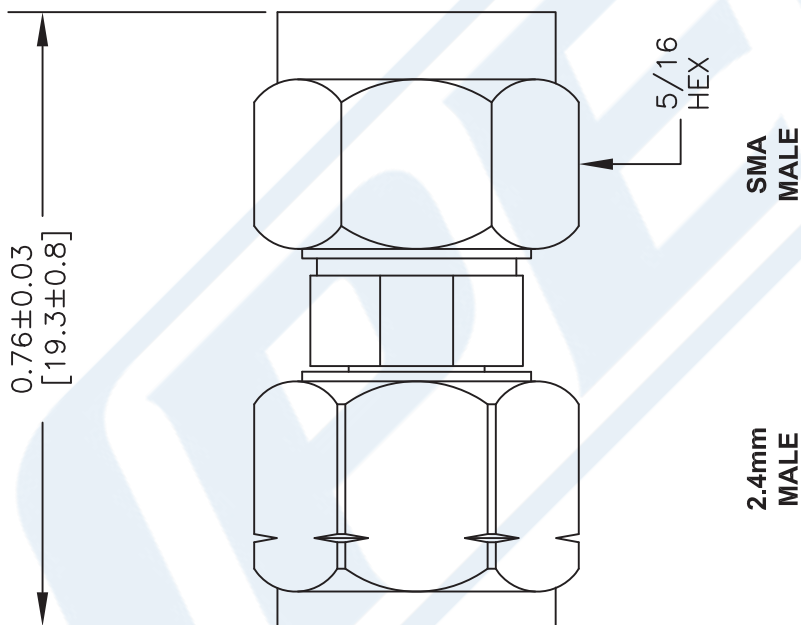
Click the following link (or enter part number in "SEARCH" on website) to obtain additional part information including price, inventory and certifications: [3.5mm Male to 2.4mm Male Adapter PE9649](#)

URL: <https://www.pasternack.com/3.5mm-male-2.4mm-male-straight-adapter-pe9649-p.aspx>

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. Pasternack reserves the right to make such changes as required. Unless otherwise stated, all specifications are nominal. Pasternack does not make any representation or warranty regarding the suitability of the part described herein for any particular purpose, and Pasternack does not assume any liability arising out of the use of any part or documentation.

PE9649 CAD Drawing

3.5mm Male to 2.4mm Male Adapter



DWG TITLE

PE9649

NOTES:
 1. UNLESS OTHERWISE SPECIFIED ALL DIMENSIONS ARE NOMINAL.
 2. ALL SPECIFICATIONS ARE SUBJECT TO CHANGE WITHOUT NOTICE AT ANY TIME.
 3. DIMENSIONS ARE IN INCHES [mm].

FSCM NO. 53919

CAD FILE 012116

SCALE N/A

SIZE A

150



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