



2.92mm Female to 1.85mm Male Adapter

RF Adapters Technical Data Sheet

PE9665

Configuration

- 2.92mm Female Connector 1
- 1.85mm Male Connector 2
- 50 Ohm
- Straight Body Geometry

Features

- Max VSWR of 1.25:1 up to 40 GHz
- 50 µin minimum contact plating
- Gold over Nickel Plated Beryllium Copper Contact
- Max VSWR of 1.25:1 up to 40 GHz
- Gold over Nickel Plated Beryllium Copper Contact
- 50 µin min Gold over Nickel Contact Plating

Applications

- Allows Connection Between Series
- General Purpose Test
- Allows Connection Between Series
- General Purpose Test

Description

Pasternack's PE9665 2.92mm female to 1.85mm male adapter is part of our full line of RF components available for same-day shipping. The 2.92mm connector mates mechanically with commercially available SMA and 3.5mm connectors. The 1.85mm connector mates mechanically with commercially available 2.4mm connectors. Our 2.92mm to 1.85mm adapter has a female to male gender configuration. PE9665 2.92mm female to 1.85mm male adapter operates to 40 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 | | 40 | GHz |
| VSWR | | | 1.25:1 | |
| Insertion Loss | | | 0.316 | dB |

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

Mechanical Specifications

| | |
|-------------|---------------------|
| Size | |
| Length | 0.725 in [18.42 mm] |
| Width | 0.312 in [7.92 mm] |
| Weight | 0.01 lbs [4.54 g] |

Click the following link (or enter part number in "SEARCH" on website) to obtain additional part information including price, inventory and certifications: [2.92mm Female to 1.85mm Male Adapter PE9665](#)



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| Description | Connector 1 | Connector 2 |
|---------------|---------------|--------------------------------|
| Type | 2.92mm Female | 1.85mm Male |
| Polarity | Standard | Standard |
| Hex Size | | 5/16 in. |
| Mating Torque | | 8 to 10 in-lbs 0.90 to 1.13 Nm |

Material Specifications

| Description | Connector 1 | | Connector 2 | |
|-----------------|----------------------------|------------------------------------|----------------------------|------------------------------------|
| | Material | Plating | Material | Plating |
| Type | 2.92mm Female | | 1.85mm Male | |
| Contact | Beryllium Copper | Gold over Nickel 50 µin minimum | Beryllium Copper | Gold over Nickel 50 µin minimum |
| Insulation | PEI | | PEI | |
| Outer Conductor | Passivated Stainless Steel | SAE-AMS-2700 | | |
| Body | | | Passivated Stainless Steel | SAE-AMS-2700 |
| Coupling Nut | | | Passivated Stainless Steel | SAE-AMS-2700 |

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

2.92mm Female to 1.85mm Male Adapter from Pasternack 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.

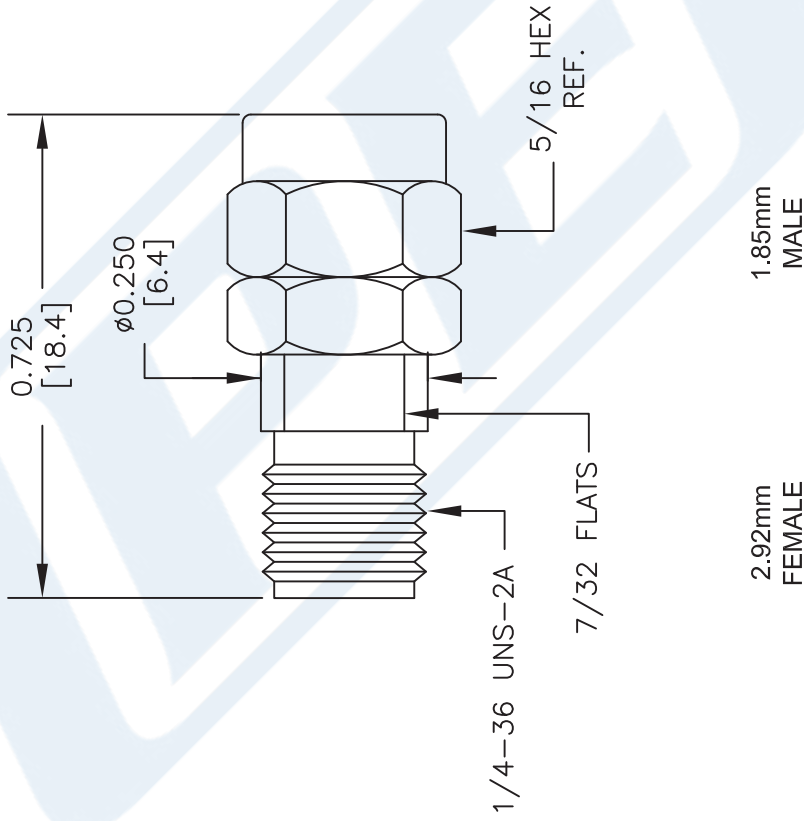
Click the following link (or enter part number in "SEARCH" on website) to obtain additional part information including price, inventory and certifications: [2.92mm Female to 1.85mm Male Adapter PE9665](#)

URL: <https://www.pasternack.com/2.92mm-female-1.85mm-male-straight-adapter-pe9665-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.

PE9665 CAD Drawing

2.92mm Female to 1.85mm Male Adapter



STANDARD TOLERANCES

.X ±0.2
 .XX ±0.1
 .XXX ±0.05

*STANDARD TOLERANCES APPLY ONLY TO DIMENSIONS IN INCHES



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DWG TITLE

PE9665

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 090116

SCALE N/A

SIZE A

41742