

2.92mm Female 4 hole SQ 0.375 Inches with Round Contact 40Ghz VSWR1.2, 0.050 Inches Diameter Pin and 0.394 Inches Pin Length

RF Connectors Technical Data Sheet

PE45927

Configuration

- 2.92mm Female Connector
- 50 Ohms
- Straight Body Geometry

Features

- Max. Operating Frequency 40 GHz
- Excellent VSWR of 1.2:1
- Gold Plated Beryllium Copper Contact

Applications

- General Purpose Test
- PCB Applications

Description

PE45927 2.92mm female PCB RF connector has a 50 Ohms impedance. Our 2.92mm female PCB connector provides a maximum frequency of 40 GHz. Our high-quality radio frequency coaxial connector is used for general purpose tests and printed circuit board applications. This 2.92mm female RF connector is stocked to be readily available for same business day shipment.

The Pasternack 2.92mm female PCB connector has a maximum VSWR of 1.2:1. The Pasternack 2.92mm PCB connector has a stainless steel body. Our PE45927 2.92mm connector uses a stainless steel outer conductor. Pasternack's 2.92mm female connector has a maximum operating voltage of 250 Vrms and a dielectric withstanding voltage of 750 Vrms.

Pasternack RF connector has a maximum inner conductor and outer conductor resistance of 3 mOhms and 2 mOhms respectively. The radio frequency connector is made from stainless steel material and has a contact life of 500 cycles or more. The Pasternack PE45927 2.92mm connector operates at a temperature range of -40 to +165 deg C. Our female RF connector with PCB termination has a 0.252 dB maximum insertion loss.

This Pasternack 2.92mm female connector will ship the same business day as purchased. Our 2.92mm female connector is part of RF, microwave, and millimeter wave components in stock for local, domestic, and international shipment. For further information on similar products, our expert technical support and trained sales team can get you the ideal RF connector as per your requirements.

Electrical Specifications

| Description | Minimum | Typical | Maximum | Units |
|--------------------------------------|---------|---------|---------|-------|
| Frequency Range | DC | | 40 | GHz |
| VSWR | | | 1.2:1 | |
| Insertion Loss | | | 0.252 | dB |
| Operating Voltage (AC) | | | 250 | Vrms |
| Impedance | | 50 | | Ohms |
| Dielectric Withstanding Voltage (AC) | | | 750 | Vrms |
| Inner Conductor DC Resistance | | | 3 | mOhms |
| Outer Conductor DC Resistance | | | 2 | mOhms |
| Insulation Resistance | 5,000 | | | MOhms |
| RF Leakage | 100 | | | dB |

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 4 hole SQ 0.375 Inches with Round Contact 40Ghz VSWR1.2, 0.050 Inches Diameter Pin and 0.394 Inches Pin Length PE45927](#)



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Mechanical Specifications

Size

| | |
|-----------------------|--------------------------------------|
| Length | 0.77 in [19.56 mm] |
| Width | 0.38 in [9.65 mm] |
| Height | 0.38 in [9.65 mm] |
| Weight | 0.02 lbs [9.07 g] |
| Mating Cycles | 500 Cycles |
| Mating Torque | 11.47 to 15 in-lbs [1.30 to 1.70 Nm] |
| Cable Retention Force | 4.9 lbs 2.22 kg |

Material Specifications

| Description | Material | Plating |
|-----------------|------------------|---------|
| Contact | Beryllium Copper | Gold |
| Insulation | PEI | |
| Outer Conductor | Stainless Steel | |
| Body | Stainless Steel | |

Environmental Specifications

Temperature

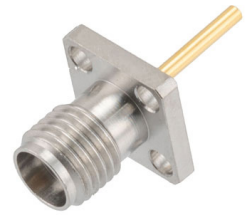
| | |
|-----------------|--------------------------------------|
| Operating Range | -40 to +165 deg C |
| Humidity | MIL-STD-202, Method 206 |
| Thermal Shock | MIL-STD-202, Method 107, Condition B |
| Salt Spray | MIL-STD-202, Method 101, Condition B |

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

Plotted and Other Data

Notes:

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URL: <https://www.pasternack.com/2.92mm-female-pcb-connector-pe45927-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.

PE45927 CAD Drawing

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VSWR1.2, 0.050 Inches Diameter Pin and 0.394 Inches Pin Length

