



## 2.92mm Female 2 Hole End Launch with 0.007 Inches Launch Pin 40GHz VSWR1.2, Solderless

### RF Connectors Technical Data Sheet

**PE45919**

#### 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

#### Description

PE45919 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 brass body with gold plating. Our PE45919 2.92mm connector uses a gold-plated brass 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 brass material and has a contact life of 500 cycles or more. The Pasternack PE45919 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 2 Hole End Launch with 0.007 Inches Launch Pin 40GHz VSWR1.2, Solderless PE45919](#)



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### Mechanical Specifications

#### Size

|                       |                                      |
|-----------------------|--------------------------------------|
| Length                | 0.58 in [14.73 mm]                   |
| Width                 | 0.40 in [10.16 mm]                   |
| Height                | 0.40 in [10.16 mm]                   |
| Weight                | 0.01 lbs [4.54 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 | Brass            | Gold    |
| Body            | Brass            | Gold    |

### 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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2.92mm Female 2 Hole End Launch with 0.007 Inches Launch Pin 40GHz VSWR1.2, Solderless 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.

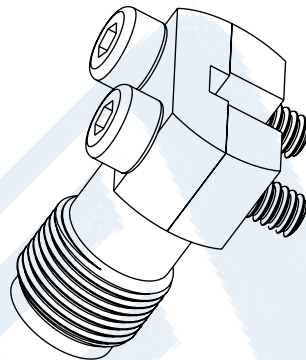
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