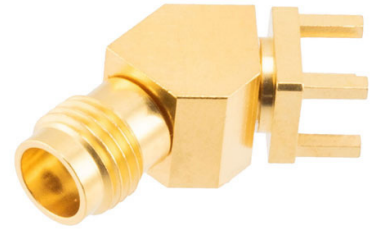


1.85mm Female PCB Mount Connector, 45 Degree angle  
with round contact 0.04 inches diameter, 67GHz VSWR1.35



## PE45999

### Configuration

- 1.85mm Female Connector
- 50 Ohms
- 45 Degree Body Geometry
- PCB

### Features

- Max. Operating Frequency 67 GHz
- Good VSWR of 1.35:1
- Gold over Nickel over Copper Plated Beryllium Copper Contact

### Applications

- General Purpose Test

### Description

Pasternack's PE45999 45 Degree 1.85mm Connector is part of our full line of RF components available for same-day shipping. Our 1.85mm female connector operates up to a maximum frequency of 67 GHz and offers good VSWR of 1.35:1.

Our 1.85mm female 45 degree PCB connector PE45999 datasheet specifications and drawing with dimensions are shown below in this PDF. Pasternack's broad catalog of RF, microwave and millimeter wave connectors allows designers to configure and customize their signal connections however they like. Whether the need is to provide an I/O for a board design, or simply create a custom cable assembly configuration, Pasternack has the right connector for the job. Pasternack can also expertly build your custom cable assemblies for you and ship same-day.

### Electrical Specifications

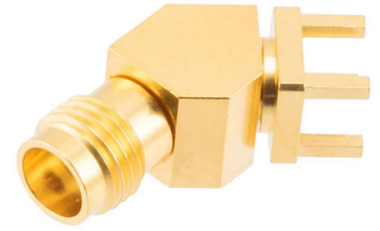
Description	Minimum	Typical	Maximum	Units
Frequency Range	DC		67	GHz
VSWR			1.35:1	
Insertion Loss			0.4	dB
Dielectric Withstanding Voltage (AC)			500	Vrms
Inner Conductor DC Resistance			4	mOhms
Outer Conductor DC Resistance			2.5	mOhms
Insulation Resistance	5,000			MOhms
Impedance		50		Ohms

### Mechanical Specifications

#### Size

Length	0.548 in [13.92 mm]
Width	0.276 in [7.01 mm]
Height	0.832 in [21.13 mm]
Weight	0.011 lbs [4.99 g]
Mating Cycles	500 Cycles

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## PE45999

### Material Specifications

Description	Material	Plating
Contact	Beryllium Copper	Gold over Nickel over Copper
Insulation	PEI	
Body	Brass	Gold over Nickel over Copper

### Environmental Specifications

#### Temperature

Operating Range

-40 to +165 deg C

Humidity

MIL-STD-202, Method 106

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:

1.85mm Female PCB Mount Connector, 45 Degree angle with round contact 0.04 inches diameter, 67GHz VSWR1.35 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: [1.85mm Female PCB Mount Connector, 45 Degree angle with round contact 0.04 inches diameter, 67GHz VSWR1.35 PE45999](#)

URL: <https://www.pasternack.com/1.85mm-female-connector-pe45999-p.aspx>

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

PE45999 CAD Drawing

1.85mm Female PCB Mount Connector, 45 Degree angle with round contact 0.04 inches diameter, 67GHz VSWR1.35

