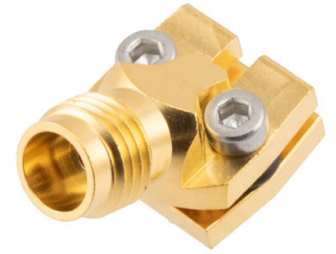


1.85mm Female Connector 30 Degree Angle Solderless PCB Mount 2 Hole Flange 70GHz VSWR1.5

PE45946



Configuration

- 1.85mm Female Connector
- 50 Ohms
- 30 Degree Body Geometry
- 2 Hole Flange

Features

- Max. Operating Frequency 70 GHz
- Good VSWR of 1.5:1
- Gold Plated Beryllium Copper Contact

Applications

- General Purpose Test
- Rack and Panel Mount Applications
- PCB Applications

Description

Pasternack's PE45946 30 Degree, 1.85mm, Standard, connector with attachment for PCB 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 70 GHz and offers good VSWR of 1.5:1. This 1.85mm 2 hole flange connector allows designers to create external connections on their product enclosures, and can be used in a variety of other rack mount and panel mount applications.

Our 1.85mm female 30 degree 2 hole flange connector PE45946 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		70	GHz
VSWR			1.5:1	
Insertion Loss			0.418	dB
Operating Voltage (AC)			150	Vrms
Dielectric Withstanding Voltage (AC)			500	Vrms
Inner Conductor DC Resistance			4	mOhms
Outer Conductor DC Resistance			2.5	mOhms
Insulation Resistance	5,000			MOhms
RF Leakage	100			dB
Impedance		50		Ohms

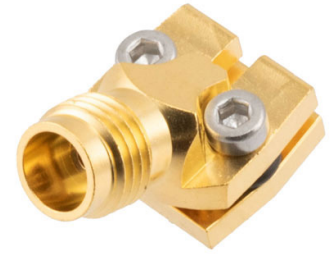
Mechanical Specifications

Size

Length	0.69 in [17.53 mm]
Width	0.43 in [10.92 mm]
Height	0.43 in [10.92 mm]
Weight	0.01 lbs [4.54 g]
Mating Cycles	500 Cycles

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Mating Torque	9.74 to 15 in-lbs [[1.10 to 1.70 Nm]]
Cable Retention Force	4.5 lbs [2.04 kg]

Material Specifications

Description	Material	Plating
Contact	Beryllium Copper	Gold
Outer Conductor	Beryllium Copper	Gold
Body	Beryllium Copper	Gold

Environmental Specifications

Temperature	
Operating Range	-40 to +85 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 Connector 30 Degree Angle Solderless PCB Mount 2 Hole Flange 70GHz VSWR1.5 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 Connector 30 Degree Angle Solderless PCB Mount 2 Hole Flange 70GHz VSWR1.5 PE45946](#)

URL: <https://www.pasternack.com/1.85mm-female-pcb-connector-pe45946-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.

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