

RF Adapter, 45 Degree Angle 1.85mm Male to 1.85mm Female 67GHz VSWR 1.35



PE91585

Configuration

- 1.85mm Male Connector 1
- 1.85mm Female Connector 2
- 50 Ohm
- 45 Degree Body Geometry

Features

- Max VSWR of 1.35:1 up to 67 GHz
- Gold over Nickel Plated Beryllium Copper Contact

Applications

- General Purpose Test

Description

1.85 mm adapter PE91585 from Pasternack Enterprises is part of a very large selection of in-stock interconnect RF components. Our 1.85 mm to 1.85 mm adapter is a coaxial adapter design with a 50 Ohm impedance. This 50 Ohm 1.85 mm adapter is manufactured to precise RF adapter specifications and has a maximum VSWR of 1.350.

Our in-series connection type RF adapter, which operates to 67 GHz makes connections in tight spaces easier. This passivated stainless steel RF adapter can be used to make connections between two connector types that would not otherwise mate. This 1.85 mm adapter contains beryllium copper contacts with gold over nickel contact plating.

This 1.85 mm to 1.85 mm adapter is constructed with male gender on side 1 and female on side 2. PE91585 1.85 mm male to 1.85 mm female coaxial adapter from Pasternack has a 45-degree angled body ideal for routing RF/Microwave signals in tight spaces. Additionally, RF adapters can be utilized to protect connectors on expensive equipment where the number of connect and disconnect cycles is high.

Pasternack 1.85 mm male to 1.85 mm female adapter is part of over one million RF microwave and millimeter wave components in stock. 45-degree angle RF 1.85 mm adapter is ready for same day purchase and shipping worldwide. We also stock and/or custom build 1.85 mm coaxial cables that ship quickly from our facility for all your RF adapter component needs.

Electrical Specifications

Description	Minimum	Typical	Maximum	Units
Frequency Range	DC		67	GHz
Impedance		50 Ohm		
VSWR			1.35:1	

Performance by Frequency

Description	F1	F2	F3	F4	F5	Units
Frequency Range	DC to 4	4 to 8	8 to 15	15 to 35	35 to 67	GHz
Insertion Loss, Max	0.14	0.198	0.271	0.414	0.573	dB

Mechanical Specifications

Size

Length	0.93 in [23.62 mm]
Width	0.31 in [7.87 mm]
Height	0.58 in [14.73 mm]
Weight	0.01 lbs [2.27 g]

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Description	Connector 1	Connector 2
Type	1.85mm Male	1.85mm Female
Polarity	Standard	Standard

Material Specifications

Description	Connector 1		Connector 2	
	Material	Plating	Material	Plating
Type	1.85mm Male		1.85mm Female	
Contact	Beryllium Copper	Gold over Nickel	Beryllium Copper	Gold over Nickel
Outer Conductor			Passivated Stainless Steel	
Body	Passivated Stainless Steel		Passivated Stainless Steel	
Coupling Nut	Passivated Stainless Steel			

Environmental Specifications

Temperature

Operating Range

-55 to +105 °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

RF Adapter, 45 Degree Angle 1.85mm Male to 1.85mm Female 67GHz VSWR 1.35 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: [RF Adapter, 45 Degree Angle 1.85mm Male to 1.85mm Female 67GHz VSWR 1.35 PE91585](#)

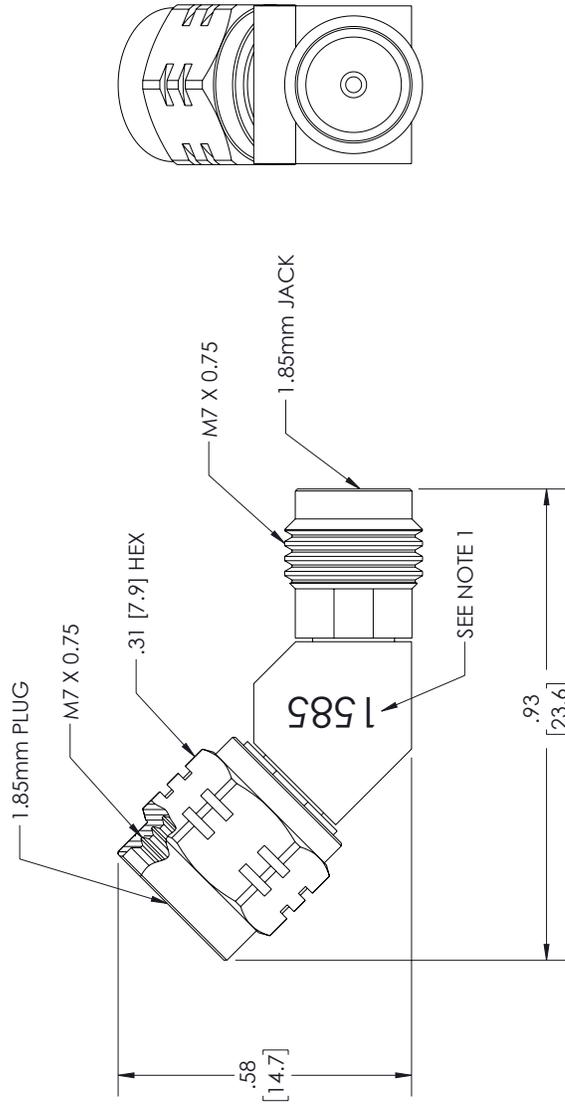
URL: <https://www.pasternack.com/1.85mm-male-to-1.85mm-female-45-degree-adapter-pe91585-p.aspx>

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.

PE91585 CAD Drawing

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REVISIONS		
REV.	DESCRIPTION	DATE
A	INITIAL RELEASE	11/03/2022
		APPROVED
		DWANG



UNLESS OTHERWISE SPECIFIED
LEADING DIMENSIONS ARE INCHES
DIMENSIONS IN [] ARE MILLIMETERS

TOLERANCES:
 .X = ±.2 [5.08] | FRACTIONS ±.132
 .XX = ±.02 [5.1] | ANGLES ± 1°
 .XXX = ±.005 [13] | ANGLES ± 1°

CABLE LENGTH (L) TOLERANCES:
 L ≤ 12 [305] = +1 [25] / -0
 12 [305] < L ≤ 60 [1524] = +2 [51] / -0
 60 [1524] < L ≤ 120 [3048] = +4 [102] / -0
 120 [3048] < L ≤ 300 [7620] = +6 [152] / -0
 300 [7620] < L = +9.5% / -0

ALL DIMENSIONS SHOWN
ARE FOR REFERENCE ONLY.

THIRD-ANGLE PROJECTION

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SHEET 1 OF 1

SCALE N/A

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SIZE A | CAGE CODE 53919 | DRAWN BY AKRESOWSKI | ITEM NO. PE91585

NOTES:
1. ITEM IS MARKED WITH ITEM NUMBER APPROXIMATELY WHERE SHOWN.

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