



# 1.85mm Female to 2.92mm Male Miter Right Angle Adapter

## RF Adapters Technical Data Sheet

PE91512

### Configuration

- 1.85mm Female Connector 1
- 2.92mm Male Connector 2
- 50 Ohm
- Miter Right Angle Body Geometry

### Features

- Max VSWR of 1.25:1 up to 40 GHz
- 4μ in. minimum contact plating
- Gold over Nickel Plated Beryllium Copper Contact

### Applications

- Allows Connection Between Series
- General Purpose Test

### Description

Pasternack's PE91512 1.85mm female to 2.92mm male miter right angle adapter is part of our full line of RF components available for same-day shipping. The 1.85mm connector mates mechanically with commercially available 2.4mm connectors. The 2.92mm connector mates mechanically with commercially available SMA and 3.5mm connectors. Our 1.85mm to 2.92mm adapter has a female to male gender configuration built of durable stainless steel. PE91512 1.85mm female to 2.92mm male adapter operates to 40 GHz. The Pasternack RF adapter provides excellent VSWR of 1.25:1 maximum. This miter right angle 1.85mm to 2.92mm adapter allows for easier connections in tight spaces.

RF adapters are often used to enable connections between two connector types that would otherwise not mate. Certain adapter configurations can also be used to protect connectors on expensive equipment where the number of connect/disconnect cycles is high. An RF, microwave or millimeter wave adapter is connected to the equipment, and the commonly changed connection is made with the adapter which can be easily replaced when it wears out after high usage; such adapters are referred to as connector savers. Pasternack also offers bulkhead, panel mount, hermetically sealed, reverse polarity, and isolated ground adapter varieties to serve all of your RF, microwave and millimeter wave needs.

### Electrical Specifications

Description	Minimum	Typical	Maximum	Units
Frequency Range	DC		40	GHz
VSWR			1.25:1	

### Mechanical Specifications

Size	
Length	0.705 in [17.91 mm]
Width	0.315 in [8 mm]
Height	0.653 in [16.59 mm]

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 to 2.92mm Male Miter Right Angle Adapter PE91512](#)



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Description	Connector 1	Connector 2
Type	1.85mm Female	2.92mm Male
Polarity	Standard	Standard
Hex Size		5/16 Inch

### Material Specifications

Description	Connector 1		Connector 2	
	Material	Plating	Material	Plating
Type	1.85mm Female		2.92mm Male	
Contact	Beryllium Copper	Gold over Nickel 4μ in. minimum	Beryllium Copper	Gold over Nickel 4μ in. minimum
Insulation	Oxide-Noryl		Oxide-Noryl	
Outer Conductor	Passivated Stainless Steel			
Body	Passivated Stainless Steel		Passivated Stainless Steel	
Coupling Nut			Passivated Stainless Steel	

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

1.85mm Female to 2.92mm Male Miter Right Angle Adapter 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 to 2.92mm Male Miter Right Angle Adapter PE91512](#)

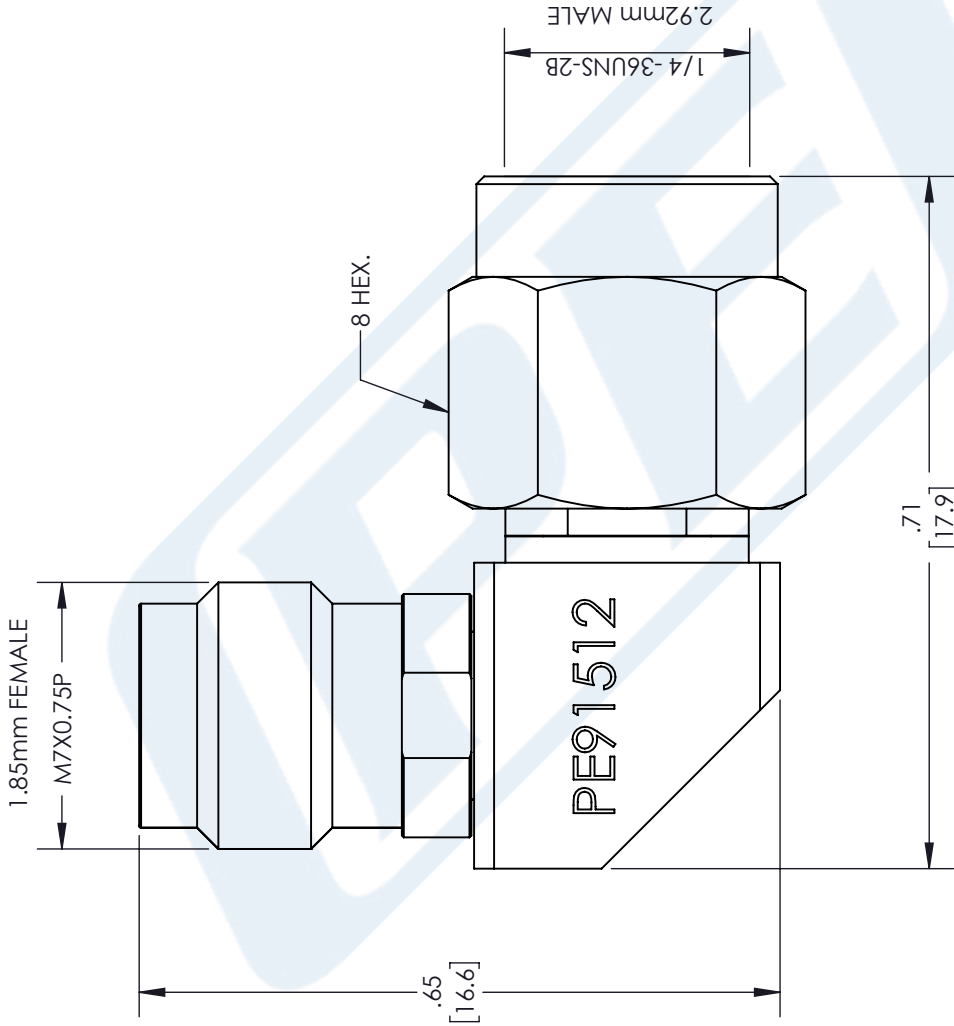
URL: <https://www.pasternack.com/1.85mm-female-2.92mm-male-miter-right-angle-adapter-pe91512-p.aspx>

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.

# PE91512 CAD Drawing

## 1.85mm Female to 2.92mm Male Miter Right Angle Adapter

REVISIONS			
REV.	DESCRIPTION	DATE	APPROVED
A	INITIAL RELEASE	02/15/2021	SELLIS



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

**TOLERANCES:**

.X = ±.2 [ .508]    FRACTIONS ± 1/32  
.XX = ±.02 [ .51]    ANGLES ± 1°  
.XXX = ±.005 [ .13]

**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 = +5% / -0

ALL DIMENSIONS SHOWN  
ARE FOR REFERENCE ONLY.

**PE PASTERNAK**  
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SIZE: A    CAGE CODE: 53919    DRAWN BY: MVEERAPPAN    ITEM NO.: PE91512

THIRD-ANGLE PROJECTION

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SHEET 1 OF 1

SCALE: N/A

REV: A