



2.92mm Male to 2.92mm Female Miter Right Angle Adapter

RF Adapters Technical Data Sheet

PE91503

Configuration

- 2.92mm Male Connector 1
- 2.92mm Female 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

- General Purpose Test

Description

Pasternack's PE91503 2.92mm male to 2.92mm female miter right angle adapter is part of our full line of RF components available for same-day shipping. The 2.92mm connector mates mechanically with commercially available SMA and 3.5mm connectors. Our 2.92mm to 2.92mm adapter has a male to female gender configuration built of durable stainless steel. PE91503 2.92mm male to 2.92mm female adapter operates to 40 GHz. The Pasternack RF adapter provides excellent VSWR of 1.25:1 maximum. This miter right angle 2.92mm 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	

Electrical Specification Notes:
Values at 25°C, sea level.

Mechanical Specifications

Size	
Length	0.67 in [17.02 mm]
Width	0.312 in [7.92 mm]
Height	0.62 in [15.75 mm]
Weight	0.5 lbs [226.8 g]

Click the following link (or enter part number in "SEARCH" on website) to obtain additional part information including price, inventory and certifications: [2.92mm Male to 2.92mm Female Miter Right Angle Adapter PE91503](#)



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Description	Connector 1	Connector 2
Type	2.92mm Male	2.92mm Female
Polarity	Standard	Standard
Mating Cycles	500	500
Hex Size	5/16 in.	
Mating Torque	8 to 10 in-lbs [0.90 to 1.13 Nm]	

Material Specifications

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

Environmental Specifications

Temperature

Operating Range -55 to +100 °C

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

Plotted and Other Data

Notes:

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2.92mm Male to 2.92mm Female Miter Right Angle Adapter

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2.92mm Male to 2.92mm Female 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: [2.92mm Male to 2.92mm Female Miter Right Angle Adapter PE91503](https://www.pasternack.com/2.92mm-male-2.92mm-female-miter-right-angle-adapter-pe91503-p.aspx)

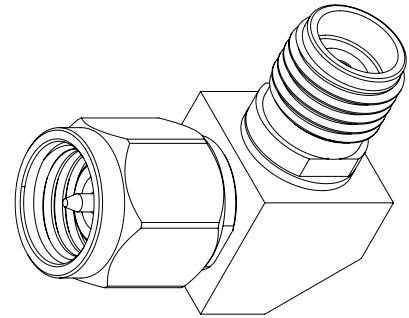
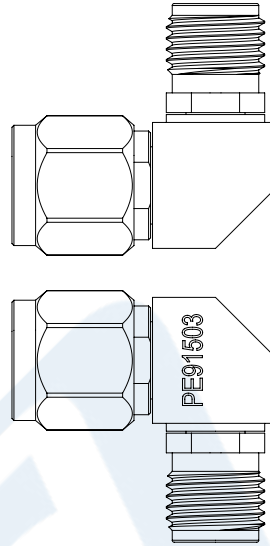
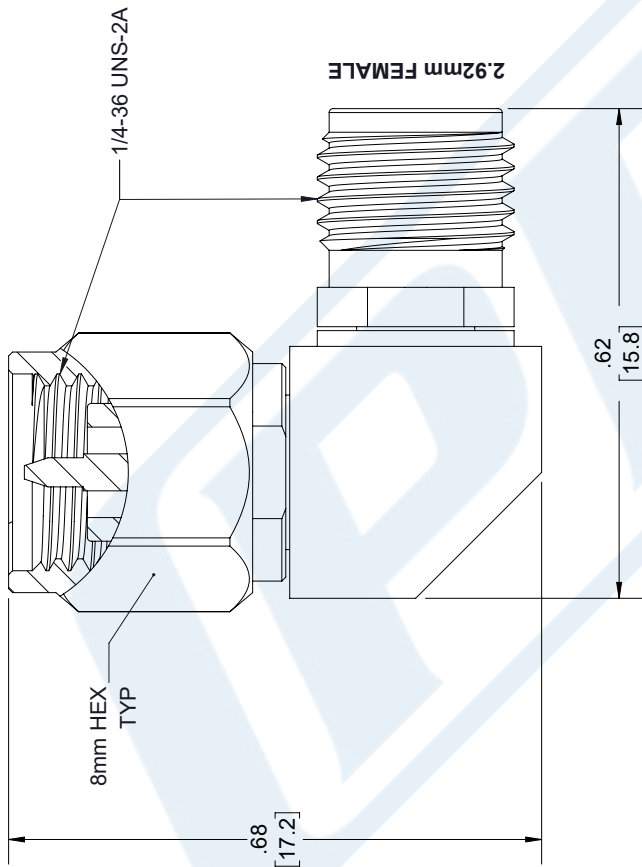
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The information contained in this document is accurate to the best of our knowledge and representative of the part described herein. It may be necessary to make modifications to the part and/or the documentation of the part, in order to implement improvements. 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.

PE91503 CAD Drawing
2.92mm Male to 2.92mm Female Miter Right Angle Adapter

REVISIONS			
REV.	DESCRIPTION	DATE	APPROVED
A	INITIAL RELEASE	7/14/2020	SELLIS

2.92mm MALE



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

TOLERANCES:

.X = ±.2	[.08]	FRACTIONS
.XX = ±.02	[.51]	± 1/32
.XXX = ±.005	[.13]	ANGLES ± 1°

CABLE LENGTH (L) TOLERANCES:

L ≤ 12 [305]	± .12 [3.05]
12 [305] < L ≤ 60 [1524]	± .25 [6.35]
60 [1524] < L ≤ 120 [3048]	± .51 [12.7]
120 [3048] < L ≤ 300 [7620]	± 1.02 [25.4]
300 [7620] < L	± 5% [127]

ALL DIMENSIONS SHOWN
ARE FOR REFERENCE ONLY.

PE PASTERNAK
an INFINITI brand

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THIRD-ANGLE PROJECTION

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SHEET 1 OF 1
SCALE N/A

REV A

ITEM NO. PE91503

SIZE A

CAGE CODE 53919

DRAWN BY K.DANG

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