



2.4mm Male to 2.92mm Male Miter Right Angle Adapter

RF Adapters Technical Data Sheet

PE91508

Configuration

- 2.4mm Male 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
- 4 μin. minimum contact plating
- Gold over Nickel Plated Beryllium Copper Contact

Applications

- Allows Connection Between Series
- General Purpose Test

Description

Pasternack's PE91508 2.4mm male to 2.92mm male miter right angle adapter is part of our full line of RF components available for same-day shipping. The 2.4mm connector mates mechanically with commercially available 1.85mm (V) connectors. The 2.92mm connector mates mechanically with commercially available SMA and 3.5mm connectors. Our 2.4mm to 2.92mm adapter has a male to male gender configuration built of durable stainless steel. PE91508 2.4mm male 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 2.4mm 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.

Insertion Loss (dB) = $0.05 \cdot \sqrt{\text{fGHz}}$.

Mechanical Specifications

Size

Length	0.7 in [17.78 mm]
Width	0.315 in [8 mm]
Height	0.69 in [17.53 mm]
Weight	0.0237 lbs [10.75 g]

Click the following link (or enter part number in "SEARCH" on website) to obtain additional part information including price, inventory and certifications: [2.4mm Male to 2.92mm Male Miter Right Angle Adapter PE91508](#)



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Description	Connector 1	Connector 2
Type	2.4mm Male	2.92mm Male
Polarity	Standard	Standard
Mating Cycles	500	500
Hex Size	5/16 in.	5/16 in.
Mating Torque	8 to 10 in-lbs [0.90 to 1.13 Nm]	8 to 10 in-lbs 0.90 to 1.13 Nm

Material Specifications

Description	Connector 1		Connector 2	
	Material	Plating	Material	Plating
Type	2.4mm Male		2.92mm Male	
Contact	Beryllium Copper	Gold over Nickel 4 µin. minimum	Beryllium Copper	Gold over Nickel 4 µin. minimum
Insulation	PTFE		PTFE	
Body	Passivated Stainless Steel		Passivated Stainless Steel	
Coupling Nut	Passivated Stainless Steel		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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2.4mm Male 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: [2.4mm Male to 2.92mm Male Miter Right Angle Adapter PE91508](https://www.pasternack.com/2.4mm-male-2.92mm-male-miter-right-angle-adapter-pe91508-p.aspx)

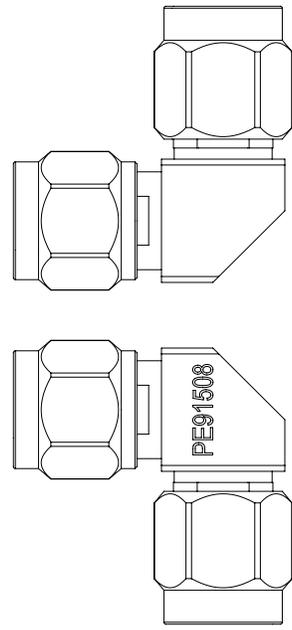
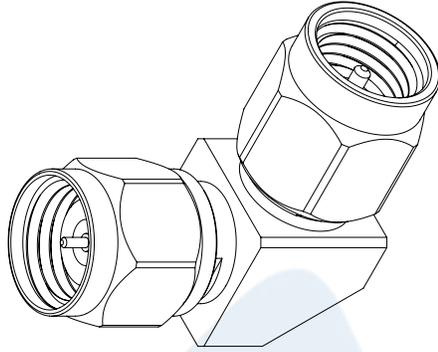
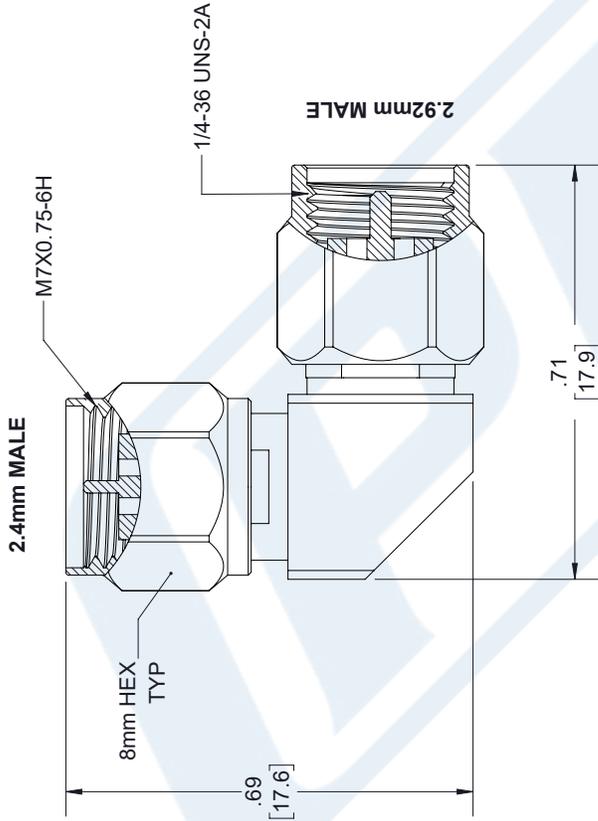
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The information contained in this document is accurate to the best of our knowledge and representative of the part described herein. It may be necessary to make modifications to the part and/or the documentation of the part, in order to implement improvements.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

PE91508 CAD Drawing

2.4mm Male to 2.92mm Male Miter Right Angle Adapter

REVISIONS		
REV.	DESCRIPTION	DATE
A	INITIAL RELEASE	1/21/2020
		APPROVED
		SELLIS



UNLESS OTHERWISE SPECIFIED
LEADING DIMENSIONS ARE IN 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]	= +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%L / -0

ALL DIMENSIONS SHOWN
ARE FOR REFERENCE ONLY.

PE PASTERNAK
an INFINIT brand

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THIRD-ANGLE PROJECTION

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SHEET 1 OF 1

SCALE N/A

REV A

ITEM NO. PE91508

SIZE A

CAGE CODE 53919

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