

2.92mm Male to 2.92mm Female Miter Right Angle Adapter



PE91503

Configuration

- 2.92mm Male Connector 1
- 2.92mm Female Connector 2

- 50 Ohms Impedance
- 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
Impedance		50		Ohms
VSWR			1.25:1	
Insertion Loss			0.32	dB
Operating Voltage (AC)			250	Vrms
Dielectric Withstanding Voltage (AC)			750	Vrms
Insulation Resistance	5,000			MOhms

Electrical Specification Notes:

Values at 25°C, sea level. Insertion Loss = 0.05 x vf(GHz) dB

Mechanical Specifications

Size

Length	0.67 in [17.02 mm]
Width	0.31 in [7.92 mm]
Height	0.62 in [15.75 mm]
Weight	0.50 lbs [226.80 g]

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Description	Connector 1	Connector 2
Polarity	Standard	Standard
Mating Cycles, Min	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			
Coupling Nut	Passivated Stainless Steel			

Environmental Specifications

Temperature

Operating Range

-55 to +105 °C

Humidity

MIL-STD-202, Method 206

Shock

MIL-STD-202, Method 107, Condition B

Salt Spray

MIL-STD-202, Method 101, Condition B

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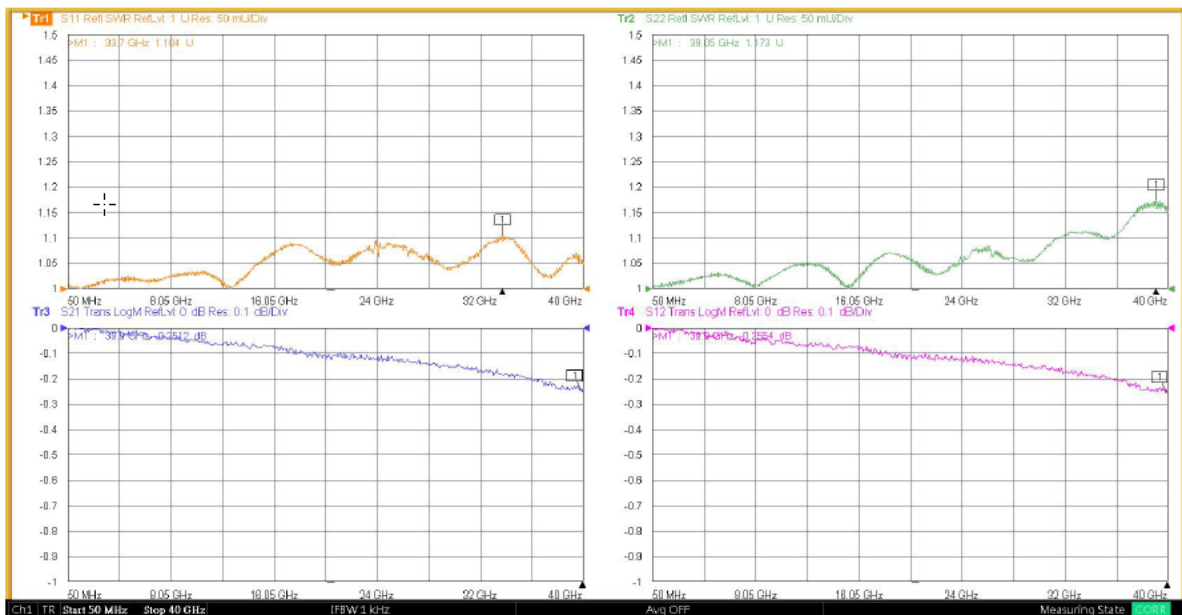


PE91503

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

Plotted and Other Data

Typical Performance Data



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](#)

URL: <https://www.pasternack.com/2.92mm-male-2.92mm-female-miter-right-angle-adapter-pe91503.html>

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.

PE91503 CAD Drawing

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