2.92mm Female to 2.4mm Female Adapter, Stainless Steel, Engineering Grade

PE91625

Configuration

- 2.92mm Female Connector 1
- 2.4mm Female Connector 2
- 50 Ohms Impedance
- Engineering Grade Design
- Straight Body Geometry

Features

- Max VSWR of 1.25:1 up to 40 GHz
- Gold Over Nickel Plated Beryllium Copper Contact

Applications

- Allows Connection Between Series
- General Purpose Test

Description

Pasternack's PE91625 2.92mm female to 2.4mm female 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. The 2.4mm connector mates mechanically with commercially available 1.85mm (V) connectors. Our 2.92mm to 2.4mm adapter has a female to female gender configuration built of durable stainless steel in a engineering grade design. PE91625 2.92mm female to 2.4mm female adapter operates to 40 GHz. The Pasternack RF adapter provides excellent VSWR of 1.25:1 maximum.

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	
Operating Voltage (AC)			150	Vrms
Dielectric Withstanding Voltage (AC)			500	Vrms
Insulation Resistance	5,000			MOhms
RF Leakage			100	dB

Performance by Frequency

Description	F1	F2	F3	F4	F5	Units
Frequency Range	DC to 2.5	2.5 to 5	5 to 10	10 to 20	20 to 40	GHz
Insertion Loss, Max	0.079	0.112	0.158	0.224	0.316	dB

Mechanical Specifications

Size

Length	0.84 in [21.40 mm]

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Width	0.31 in [7.90 mm]
Height	0.31 in [7.90 mm]
Weight	0.01 lbs [2.72 g]

Description	Connector 1	Connector 2
Polarity	Standard	Standard
Mating Cycles, Min	500	500
Mating Torque	11.47 in-lbs 1.30 Nm min	7.08 to 9.74 in-lbs 0.80 to 1.10 Nm
Contact Captivation Axial Force, Min	4.9 lbs [2.22 kg]	4.5 lbs [2.04 kg]
Coupling Proof Torque	15 in-lbs [1.7 Nm]	15 in-lbs [1.7 Nm]

Material Specifications

	Connector 1		Connector 2	
Description	Material	Plating	Material	Plating
Type	2.92mm Female		2.4mm Female	
Contact	Beryllium Copper	Gold Over Nickel	Beryllium Copper	Gold Over Nickel
Insulation	PPO		PPO	
Body	Stainless Steel	Passivated	Stainless Steel	Passivated
Gasket	Silicone		Silicone	
Coupling Nut	Stainless Steel	Passivated	Stainless Steel	Passivated

Environmental Specifications

Temperature

Operating Range	-55 to +105 ºC
Humidity	MIL-STD-202, Method 206
Thermal Shock	MIL-STD-202, Method 107, Condition B
Salt Spray	MIL-STD-202, Method 101, Condition B

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Compliance Certifications (see product page for current document)

Plotted and Other Data

2.92mm Female to 2.4mm Female Adapter, Stainless Steel, Engineering Grade 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 Female to 2.4mm Female Adapter, Stainless Steel, Engineering Grade PE91625

URL: https://www.pasternack.com/engineering-grade-2.92mm-female-to-2.4mm-female-adapter-pe91625-p.aspx

PE91625 CAD Drawing

2.92mm Female to 2.4mm Female Adapter, Stainless Steel, Engineering Grade