

2.92mm Female to 2.4mm Female Adapter



PE91499

Configuration

- 2.92mm Female Connector 1
- 2.4mm Female Connector 2

Features

- Max VSWR of 1.2:1 up to 40 GHz
- Contact plating according to MIL-G-45204

- 50 Ohms Impedance
- Straight Body Geometry

Applications

- Allows Connection Between Series

- Gold over Nickel Plated Beryllium Copper Contact

- General Purpose Test

Description

Pasternack's PE91499 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. PE91499 2.92mm female to 2.4mm female adapter operates to 40 GHz. The Pasternack RF adapter provides excellent VSWR of 1.2:1 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			1.2:1	
Insertion Loss			0.32	dB

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

Mechanical Specifications

Size

Length	0.75 in [19.00 mm]
Width	0.25 in [6.35 mm]
Height	0.25 in [6.35 mm]
Weight	0.01 lbs [5.17 g]

Description	Connector 1	Connector 2
Polarity	Standard	Standard
Mating Cycles, Min	500	500

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Description	Connector 1	Connector 2
Mating Torque	8 in-lbs 0.90 Nm max	8 in-lbs 0.90 Nm max

Material Specifications

Description	Connector 1		Connector 2	
	Material	Plating	Material	Plating
Type	2.92mm Female		2.4mm Female	
Contact	Beryllium Copper	Gold over Nickel MIL-G-45204	Beryllium Copper	Gold over Nickel MIL-G-45204
Insulation	Oxide-Noryl		Oxide-Noryl	
Outer Conductor	Passivated Stainless Steel	ASTM A380	Passivated Stainless Steel	ASTM A380
Body	Passivated Stainless Steel	ASTM A380	Passivated Stainless Steel	ASTM A380

Environmental Specifications

Temperature

Operating Range

-55 to +150 °C

Vibration

MIL-STD 202, Method 204, Condition D (20 G's)

Salt Spray

MIL-STD 202, Method 101, Condition B, 5% salt solution

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

Plotted and Other Data

2.92mm Female to 2.4mm Female 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.

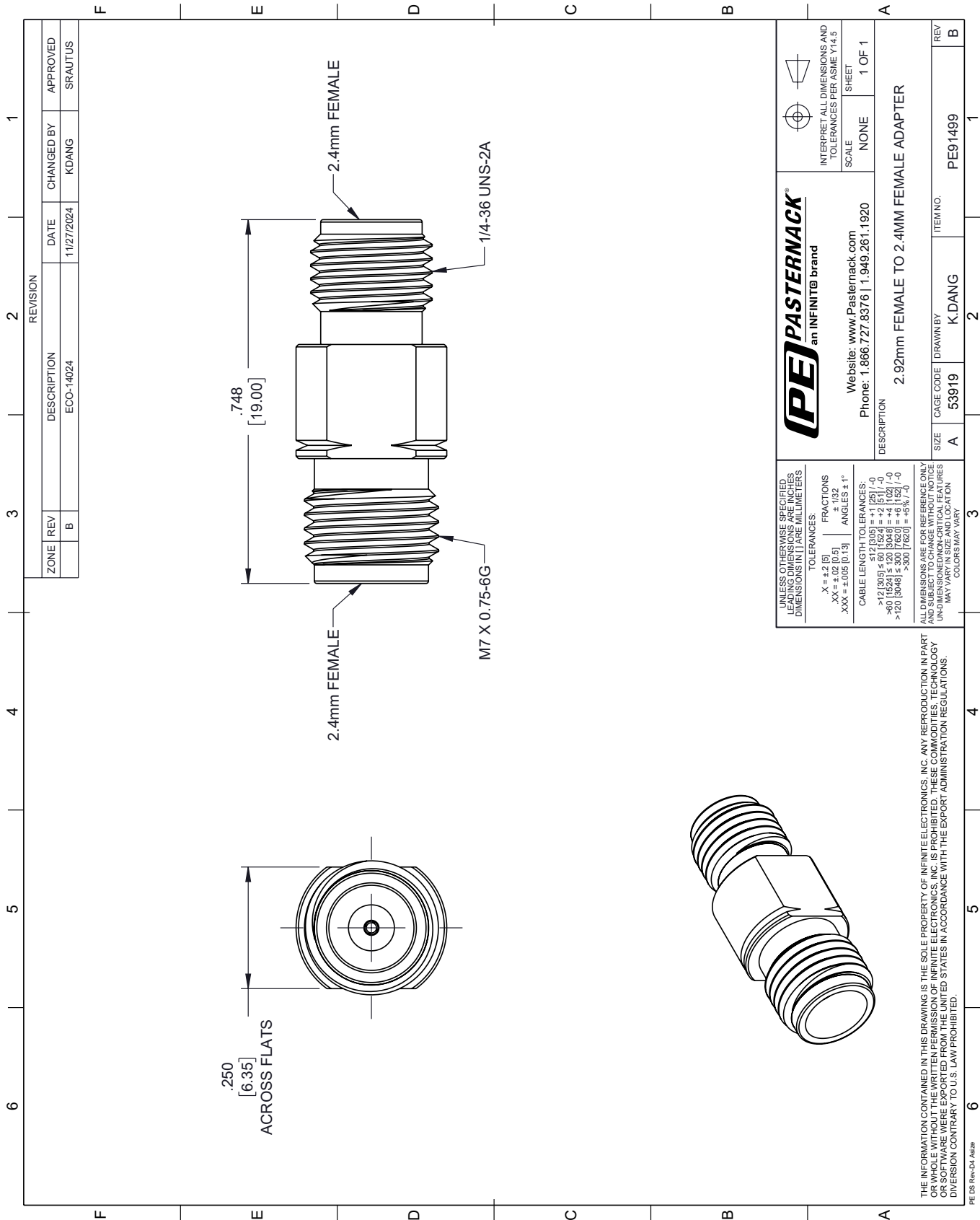
Click the following link (or enter part number in "SEARCH" on website) to obtain additional part information including price, inventory and certifications: [2.92mm Female to 2.4mm Female Adapter PE91499](#)



URL: <https://www.pasternack.com/2.92mm-female-2.4mm-female-straight-adapter-pe91499.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.



PE91499 CAD Drawing



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UNLESS OTHERWISE SPECIFIED, ALL DIMENSIONS ARE IN INCHES. DIMENSIONS IN [] ARE MILLIMETERS.

TOLERANCES:

X = ±.2 [5]	FRACTIONS
.XX = ±.02 [0.5]	± 1/32
.XXX = ±.005 [0.13]	ANGLES ± 1°

CABLE LENGTH TOLERANCES:

>12 [305] ≤ 60 [1524]	±.12 [3.05]
>60 [1524] ≤ 120 [3048]	±.12 [3.05]
>120 [3048] ≤ 300 [7620]	±.12 [3.05]

ALL DIMENSIONS ARE FOR REFERENCE ONLY. DIMENSIONS OF INDIVIDUAL PARTS MAY VARY IN SIZE AND LOCATION. COLORS MAY VARY.

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