

2.4mm Female to SMP Male Adapter, Full Detent

PE91048



Configuration

- 2.4mm Female Connector 1
- SMP Male Connector 2

Features

- Max VSWR of 1.25:1 up to 40 GHz
- 2.4mm interface compliant with MIL-STD-348
- SMP interface compliant with DESC94007

- 50 Ohms Impedance
- Straight Body Geometry

- Contact plating according to MIL-G-45204, Type I, Grade 1, Class A
- Gold Plated Beryllium Copper Contact

Applications

- Allows Connection Between Series
- General Purpose Test

Description

Pasternack's PE91048 2.4mm female to SMP male 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. Our 2.4mm to SMP adapter has a female to male gender configuration. PE91048 2.4mm female to SMP male adapter is gold plated and 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	

Mechanical Specifications

Size

Length	0.93 in [23.50 mm]
Width	0.25 in [6.35 mm]
Height	0.25 in [6.35 mm]
Weight	0.01 lbs [3.90 g]

Description	Connector 1	Connector 2
Polarity	Standard	Standard
Interface Specification	MIL-STD-348	DESC94007
Mating Cycles, Min	100	100

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Material Specifications

Description	Connector 1		Connector 2	
	Material	Plating	Material	Plating
Type	2.4mm Female		SMP Male	
Contact	Beryllium Copper	Gold MIL-G-45204, Type I, Grade 1, Class A	Beryllium Copper	Gold MIL-G-45204, Type I, Grade 1, Class A
Insulation	PTFE		PTFE	
Outer Conductor	Beryllium Copper	Gold		
Body	Beryllium Copper	Gold MIL-G-45204, Type I, Grade 1, Class A		Gold over Nickel

Environmental Specifications

Temperature

Operating Range -55 to +125 °C

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

Plotted and Other Data

2.4mm Female to SMP Male Adapter, Full Detent 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 Female to SMP Male Adapter, Full Detent PE91048](#)

URL: <https://www.pasternack.com/2.4mm-female-smp-male-straight-adapter-pe91048-p.aspx>

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.

PE91048 CAD Drawing
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