



## 2.4mm Male to 1.85mm Male Adapter

### RF Adapters Technical Data Sheet

PE91540

#### Configuration

- 2.4mm Male Connector 1
- 1.85mm Male Connector 2
- 50 Ohm
- Straight Body Geometry

#### Features

- Max VSWR of 1.3:1 up to 50 GHz
- 4  $\mu$ m. Minimum contact plating
- Gold over Nickel Plated Beryllium Copper Contact

#### Applications

- Allows Connection Between Series
- General Purpose Test

#### Description

Pasternack's PE91540 2.4mm male to 1.85mm 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 1.85mm adapter has a male to male gender configuration built of durable stainless steel. PE91540 2.4mm male to 1.85mm male adapter operates to 50 GHz. The Pasternack RF adapter provides good VSWR of 1.3:1 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		50	GHz
VSWR			1.3:1	
Insertion Loss			0.35	dB

#### Mechanical Specifications

##### Size

Length	0.791 in [20.09 mm]
Width	0.315 in [8 mm]

Description	Connector 1	Connector 2
Type	2.4mm Male	1.85mm Male
Polarity	Standard	Standard

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 1.85mm Male Adapter PE91540](#)



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#### Material Specifications

Description	Connector 1		Connector 2	
	Material	Plating	Material	Plating
Type	2.4mm Male		1.85mm Male	
Contact	Beryllium Copper	Gold over Nickel 4 µin. Minimum	Beryllium Copper	Gold over Nickel 4 µin. Minimum
Insulation	Oxide-Noryl		Oxide-Noryl	
Body	Passivated Stainless Steel		Passivated Stainless Steel	
Coupling Nut	Passivated Stainless Steel		Passivated Stainless Steel	

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

2.4mm Male to 1.85mm Male 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 1.85mm Male Adapter PE91540](#)

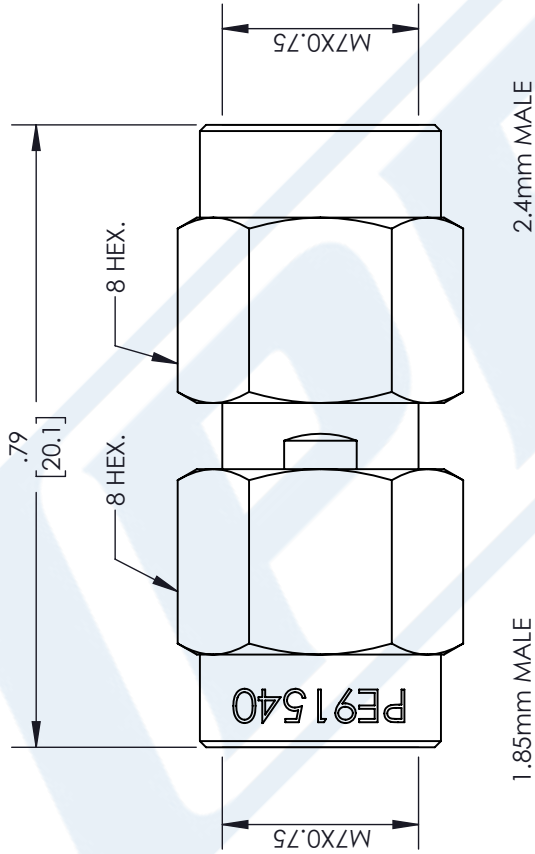
URL: <https://www.pasternack.com/2.4mm-male-1.85mm-male-straight-adapter-pe91540-p.aspx>

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.

# PE91540 CAD Drawing

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REVISIONS		
REV.	DESCRIPTION	DATE
A	INITIAL RELEASE	02/15/2021
		APPROVED SELLIS



UNLESS OTHERWISE SPECIFIED  
LEADING DIMENSIONS ARE INCHES  
DIMENSIONS IN [ ] ARE MILLIMETERS

**TOLERANCES:**

.X = ±.2 [ .508]     FRACTIONS     ± 1/32  
 .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% / -0

ALL DIMENSIONS SHOWN  
ARE FOR REFERENCE ONLY.

**PE PASTERNAK**  
an INFINITI® brand

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SIZE: A     CAGE CODE: 53919     DRAWN BY: MVEERAPPAN     ITEM NO.: PE91540

THIRD-ANGLE PROJECTION

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SHEET 1 OF 1

SCALE N/A

REV A