



Precision 3.5mm Female to 7mm Adapter

RF Adapters Technical Data Sheet

PE91546

Configuration

- 3.5mm Female Connector 1
- 7mm Sexless Connector 2
- 50 Ohm
- Precision Design
- Straight Body Geometry

Features

- Max VSWR of 1.15:1 up to 18 GHz
- 4 μ in. minimum contact plating
- Gold over Nickel Plated Beryllium Copper Contact

Applications

- Allows Connection Between Series
- General Purpose Test
- Precision Test & Measurement

Description

Pasternack's PE91546 3.5mm female to 7mm adapter is part of our full line of RF components available for same-day shipping. The 3.5mm connector mates mechanically with commercially available SMA and 2.92mm (K) connectors. Our 3.5mm to 7mm adapter has a female to sexless gender configuration built of durable stainless steel in a precision design. PE91546 3.5mm female to 7mm adapter operates to 18 GHz. The Pasternack RF adapter provides excellent VSWR of 1.15:1 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		18	GHz
VSWR			1.15:1	

Mechanical Specifications

Size

Length	1.527 in [38.79 mm]
Width	0.87 in [22.1 mm]

Description	Connector 1	Connector 2
Type	3.5mm Female	7mm Sexless
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: [Precision 3.5mm Female to 7mm Adapter PE91546](#)



Precision 3.5mm Female to 7mm Adapter

RF Adapters Technical Data Sheet

PE91546

Material Specifications

Description	Connector 1		Connector 2	
	Material	Plating	Material	Plating
Type	3.5mm Female		7mm Sexless	
Contact	Beryllium Copper	Gold over Nickel 4μ in. minimum	Beryllium Copper	Gold over Nickel 4μ in. minimum
Insulation	Oxide-Noryl		Oxide-Noryl	
Outer Conductor	Passivated Stainless Steel			
Body	Passivated Stainless Steel		Passivated Stainless Steel	
Coupling Nut			Passivated Stainless Steel	

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

Precision 3.5mm Female to 7mm 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: [Precision 3.5mm Female to 7mm Adapter PE91546](#)

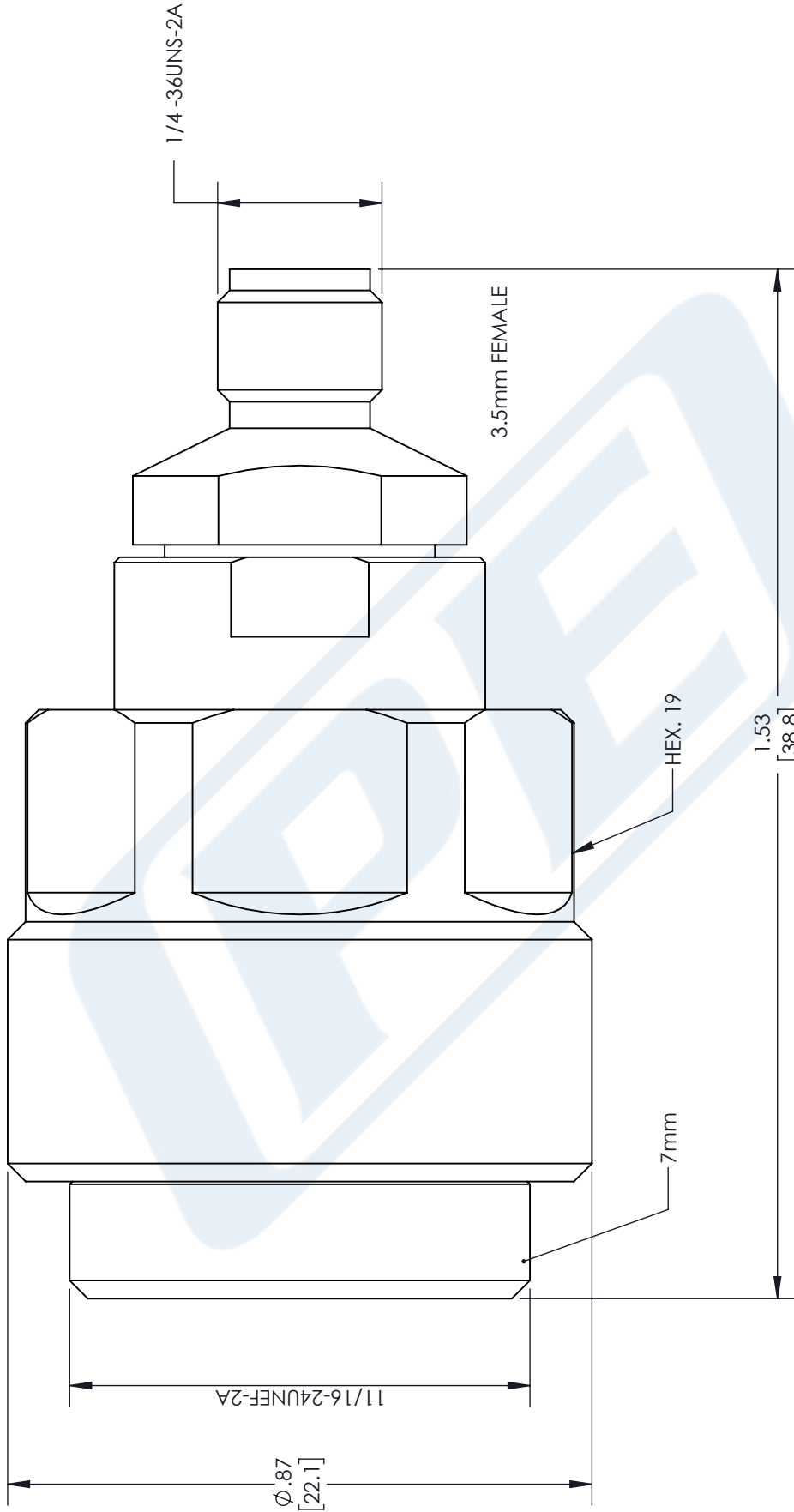
URL: <https://www.pasternack.com/3.5mm-female-7mm-sexless-straight-adapter-pe91546-p.aspx>

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.

PE91546 CAD Drawing

Precision 3.5mm Female to 7mm Adapter

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



<p>PE PASTERNAK an INFINITI® brand</p> <p>Pasternack Enterprises, Inc. P. O. Box 16759, Irvine, CA 92623. Phone: 1.949.261.1920 1.866.727.8376 Fax: 1.949.261.7451 Website: www.pasternack.com E-mail: sales@pasternack.com</p>	<p>THIRD-ANGLE PROJECTION</p> <p>THE INFORMATION AND DESIGN IN THIS DOCUMENT IS THE PROPERTY OF PASTERNAK CORPORATION ALL RIGHTS RESERVED.</p> <p>SHEET 1 OF 1</p> <p>SCALE N/A</p>	<table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td style="width: 10%;">SIZE</td> <td style="width: 10%;">CAGE CODE</td> <td style="width: 10%;">DRAWN BY</td> <td style="width: 10%;">ITEM NO.</td> <td style="width: 10%;">REV</td> </tr> <tr> <td style="text-align: center;">A</td> <td style="text-align: center;">53919</td> <td style="text-align: center;">MVEERAPPAN</td> <td style="text-align: center;">PE91546</td> <td style="text-align: center;">A</td> </tr> </table>	SIZE	CAGE CODE	DRAWN BY	ITEM NO.	REV	A	53919	MVEERAPPAN	PE91546	A					
SIZE	CAGE CODE	DRAWN BY	ITEM NO.	REV													
A	53919	MVEERAPPAN	PE91546	A													
<p>UNLESS OTHERWISE SPECIFIED LEADING DIMENSIONS ARE INCHES DIMENSIONS IN [] ARE MILLIMETERS</p> <p>TOLERANCES:</p> <table style="width: 100%; border: none;"> <tr> <td style="width: 33%;">.X = ±.2 [5.08]</td> <td style="width: 33%;">FRACTIONS ± 1/32</td> <td style="width: 33%;">ANGLES ± 1°</td> </tr> <tr> <td>.XX = ±.02 [.51]</td> <td>± 1/64</td> <td></td> </tr> <tr> <td>.XXX = ±.005 [.13]</td> <td></td> <td></td> </tr> </table> <p>CABLE LENGTH (L), TOLERANCES:</p> <table style="width: 100%; border: none;"> <tr> <td style="width: 33%;">L ≤ 12 [305] = +1 [25] / -0</td> <td style="width: 33%;">12 [305] < L ≤ 60 [1524] = +2 [51] / -0</td> <td style="width: 33%;">60 [1524] < L ≤ 120 [3048] = +4 [102] / -0</td> </tr> <tr> <td>120 [3048] < L ≤ 300 [7620] = +6 [152] / -0</td> <td>300 [7620] < L = +5% / -0</td> <td></td> </tr> </table> <p>ALL DIMENSIONS SHOWN ARE FOR REFERENCE ONLY.</p>			.X = ±.2 [5.08]	FRACTIONS ± 1/32	ANGLES ± 1°	.XX = ±.02 [.51]	± 1/64		.XXX = ±.005 [.13]			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	
.X = ±.2 [5.08]	FRACTIONS ± 1/32	ANGLES ± 1°															
.XX = ±.02 [.51]	± 1/64																
.XXX = ±.005 [.13]																	
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																

THESE COMMODITIES, TECHNOLOGY OR SOFTWARE WERE EXPORTED FROM THE UNITED STATES IN ACCORDANCE WITH THE EXPORT ADMINISTRATION REGULATIONS. DIVERSION CONTRARY TO U.S. LAW PROHIBITED.