



Low PIM 7/16 DIN Female to 4.1/9.5 Mini DIN Male Adapter

RF Adapters Technical Data Sheet

PE91090

Configuration

- 7/16 DIN Female Connector 1
- 4.1/9.5 Mini DIN Male Connector 2
- 50 Ohms
- Low PIM Design
- Straight Body Geometry

Features

- Max VSWR of 1.25:1 up to 6 GHz
- PIM levels lower than -160 dBc
- Silver Plated Beryllium Copper Contact
- 5 µm min Silver Contact Plating

Applications

- Allows Connection Between Series
- General Purpose Test

Description

Pasternack's PE91090 Low PIM 7/16 DIN female to 4.1/9.5 Mini DIN male adapter is part of our full line of RF components available for same-day shipping. Our 7/16 DIN to 4.1/9.5 Mini DIN adapter has a female to male gender configuration in a Low PIM design. PE91090 7/16 DIN female to 4.1/9.5 Mini DIN male adapter operates to 6 GHz. The Pasternack RF adapter provides excellent VSWR of 1.25:1 maximum and passive intermodulation of -160 dBc 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		6	GHz
VSWR			1.25:1	
Passive Intermodulation using 2x20W tones			-160	dBc
Operating Voltage (AC)			1,400	Vrms
Dielectric Withstanding Voltage (AC)			2,500	Vrms

Performance by Frequency

Description	F1	F2	F3	F4	F5	Units
Frequency Range	DC to 3	3 to 4	4 to 6			GHz
VSWR, Max	1.1:1	1.15:1	1.25:1			

Click the following link (or enter part number in "SEARCH" on website) to obtain additional part information including price, inventory and certifications: [Low PIM 7/16 DIN Female to 4.1/9.5 Mini DIN Male Adapter PE91090](#)



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

Mechanical Specifications

Size

Length	2.03 in [51.56 mm]
Width	1.14 in [28.96 mm]
Weight	0.271 lbs [122.92 g]

Description	Connector 1	Connector 2
Type	7/16 DIN Female	4.1/9.5 Mini DIN Male
Polarity	Standard	Standard
Hex Size		22 mm

Material Specifications

Description	Connector 1		Connector 2	
	Material	Plating	Material	Plating
Type	7/16 DIN Female		4.1/9.5 Mini DIN Male	
Contact	Beryllium Copper	Silver 5 µm minimum	Beryllium Copper	Silver 5 µm minimum
Insulation	PTFE		PTFE	
Outer Conductor	Brass	Tri-Metal 3 µm minimum		
Body			Brass	Tri-Metal 3 µm minimum
Coupling Nut			Brass	Tri-Metal 3 µm minimum

Environmental Specifications

Temperature

Operating Range	-40 to +120 deg C
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Compliance Certifications (see [product page](#) for current document)

Plotted and Other Data

Notes:

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Low PIM 7/16 DIN Female to 4.1/9.5 Mini DIN Male Adapter from Pasternack Enterprises has same day shipment for domestic and International orders. Our RF, microwave and millimeter wave products maintain a 99% availability and are part of the broadest selection in the industry.

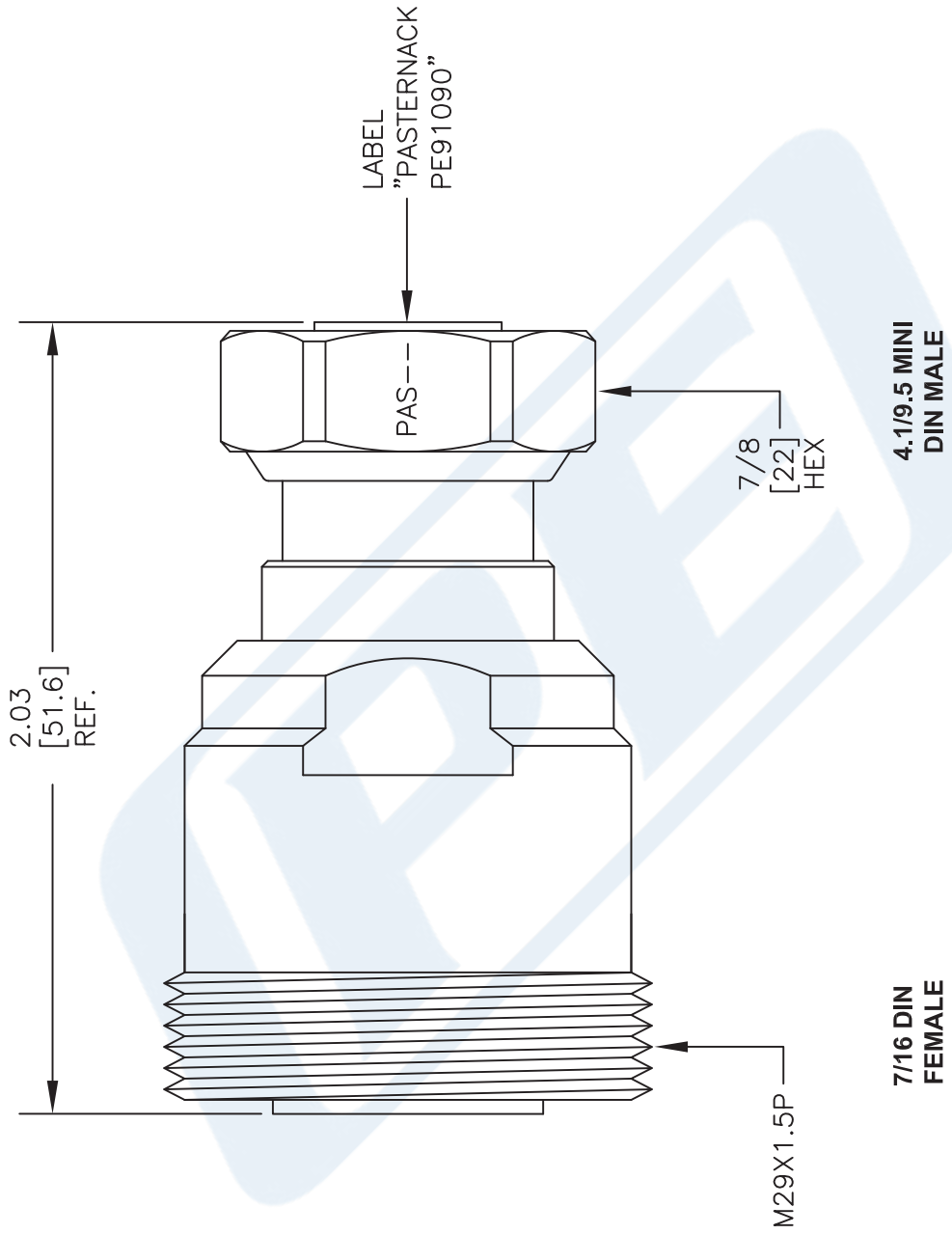
Click the following link (or enter part number in "SEARCH" on website) to obtain additional part information including price, inventory and certifications: [Low PIM 7/16 DIN Female to 4.1/9.5 Mini DIN Male Adapter PE91090](https://www.pasternack.com/7-16-female-4.1-9.5-mini-din-male-straight-adapter-pe91090-p.aspx)

URL: <https://www.pasternack.com/7-16-female-4.1-9.5-mini-din-male-straight-adapter-pe91090-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.

PE91090 CAD Drawing

Low PIM 7/16 DIN Female to 4.1/9.5 Mini DIN Male Adapter



STANDARD TOLERANCES

.X

±0.2

.XX

±0.1

.XXX

±0.05

*STANDARD TOLERANCES APPLY ONLY TO DIMENSIONS IN INCHES

PE

PASTERNAK®

THE ENGINEER'S RF SOURCE

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DWG TITLE

PE91090

FSCM NO. 53919

NOTES:

1. UNLESS OTHERWISE SPECIFIED ALL DIMENSIONS ARE NOMINAL.

2. ALL SPECIFICATIONS ARE SUBJECT TO CHANGE WITHOUT NOTICE AT ANY TIME.

3. DIMENSIONS ARE IN INCHES [mm].

CAD FILE 082516

SCALE N/A

SIZE A

41742

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PE91090 REV 1.2

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