



## N Female to 7/16 DIN Male Adapter, With Knurl

### RF Adapters Technical Data Sheet

PE9179A

#### Configuration

- N Female Connector 1
- 7/16 DIN Male Connector 2
- 50 Ohms
- Straight Body Geometry

#### Features

- Max VSWR of 1.3:1 up to 7.5 GHz
- N interface compliant with MIL-STD-348A
- 7/16 DIN interface compliant with IEC 169-4
- 30  $\mu$ m minimum contact plating
- Gold Plated Beryllium Copper Contact

#### Applications

- Allows Connection Between Series
- General Purpose Test

#### Description

Pasternack's PE9179A type N female to 7/16 DIN male adapter, is part of our full line of RF components available for same-day shipping. Our type N to 7/16 DIN adapter has a female to male gender configuration. PE9179A type N female to 7/16 DIN male adapter operates to 7.5 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		7.5	GHz
VSWR			1.3:1	
Operating Voltage (AC)			1,000	Vrms
Dielectric Withstanding Voltage (AC)			2,500	Vrms

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

#### Mechanical Specifications

##### Size

Length	1.634 in [41.5 mm]
Width	1.26 in [32 mm]
Weight	0.224 lbs [101.6 g]

Click the following link (or enter part number in "SEARCH" on website) to obtain additional part information including price, inventory and certifications: [N Female to 7/16 DIN Male Adapter, With Knurl PE9179A](#)



## N Female to 7/16 DIN Male Adapter, With Knurl

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Description	Connector 1	Connector 2
Type	N Female	7/16 DIN Male
Polarity	Standard	Standard
Interface Specification	MIL-STD-348A	IEC 169-4

#### Material Specifications

Description	Connector 1		Connector 2	
	Material	Plating	Material	Plating
Type	N Female		7/16 DIN Male	
Contact	Beryllium Copper	Gold 30 µin minimum	Brass	Gold 30 µin minimum
Insulation	PTFE		PTFE	
Outer Conductor	Brass	Nickel 100 µin minimum		
Body			Brass	Nickel 100 µin minimum
Coupling Nut			Brass	Nickel 100 µin minimum

#### Environmental Specifications

##### Temperature

Operating Range

-55 to +155 deg C

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

#### Plotted and Other Data

Notes:

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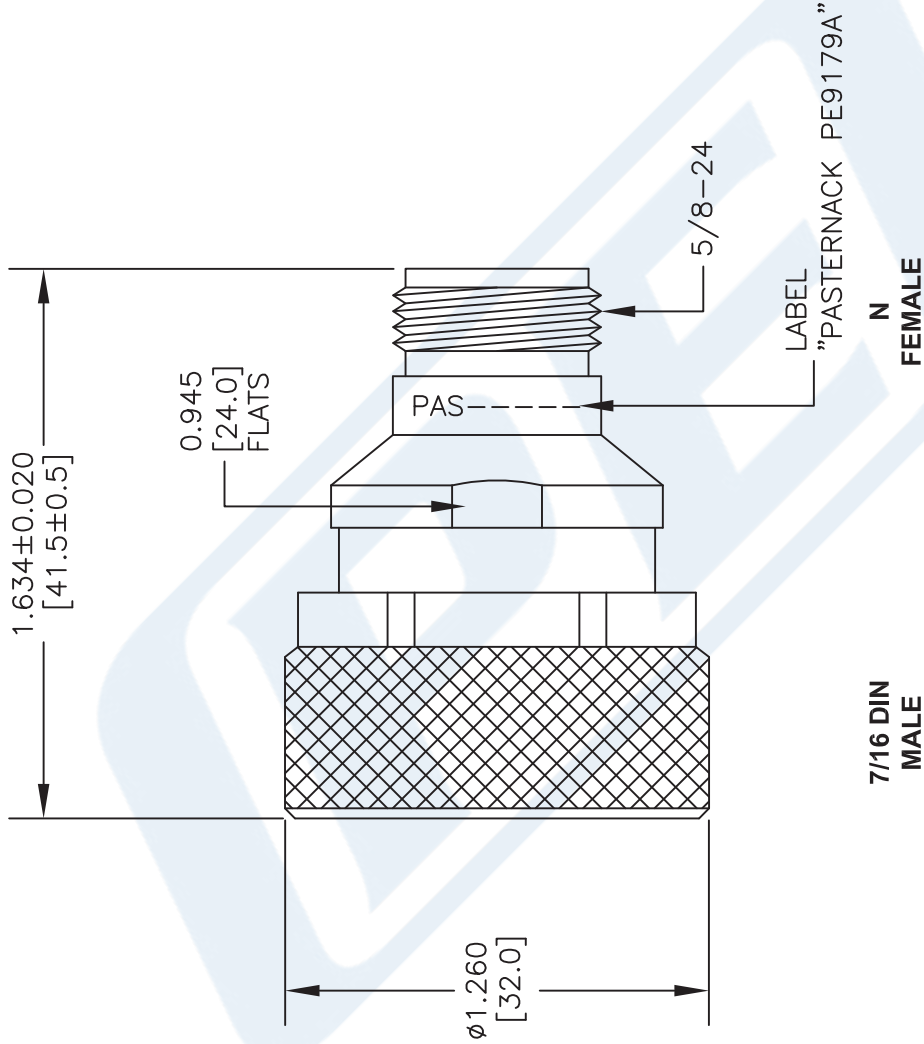
N Female to 7/16 DIN Male Adapter, With Knurl from Pasternack Enterprises has same day shipment for domestic and International orders. Our RF, microwave and millimeter wave products maintain a 99% availability and are part of the broadest selection in the industry.

Click the following link (or enter part number in "SEARCH" on website) to obtain additional part information including price, inventory and certifications: [N Female to 7/16 DIN Male Adapter, With Knurl PE9179A](https://www.pasternack.com/n-female-7-16-din-male-straight-adapter-pe9179a-p.aspx)

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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.

**PE9179A CAD Drawing**  
N Female to 7/16 DIN Male Adapter, With Knurl



**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

**PE9179A**

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].

FSCM NO. 53919

CAD FILE 021616

SCALE N/A

SIZE A

3045