



## N Female to RP N Male Adapter

### RF Adapters Technical Data Sheet

PE9770

#### Configuration

- N Female Connector 1
- N Male Reverse Polarity Connector 2
- 50 Ohm
- Straight Body Geometry

#### Features

- Gold Plated Contact

#### Applications

- General Purpose Test

#### Description

Pasternack's PE9770 type N female to RP type N male adapter is part of our full line of RF components available for same-day shipping. Our type N to reverse polarity type N adapter has a female to male gender configuration. PE9770 type N female to reverse polarity type N male adapter operates to 11 GHz.

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		11	GHz

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

#### Mechanical Specifications

##### Size

Length	1.5 in [38.1 mm]
Width	0.828 in [21.03 mm]
Weight	0.123 lbs [55.79 g]

Description	Connector 1	Connector 2
Type	N Female	N Male
Polarity	Standard	Reverse Polarity

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 RP N Male Adapter PE9770](#)



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#### Material Specifications

Description	Connector 1		Connector 2	
	Material	Plating	Material	Plating
Type	N Female		N Male Reverse Polarity	
Contact	Phosphor Bronze	Gold	Phosphor Bronze	Gold
Insulation	PTFE		PTFE	
Outer Conductor	Brass	Tri-Metal		
Body			Brass	Nickel

#### Environmental Specifications

##### Temperature

Operating Range -65 to +165 deg C

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

#### Plotted and Other Data

Notes:

N Female to RP N 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.

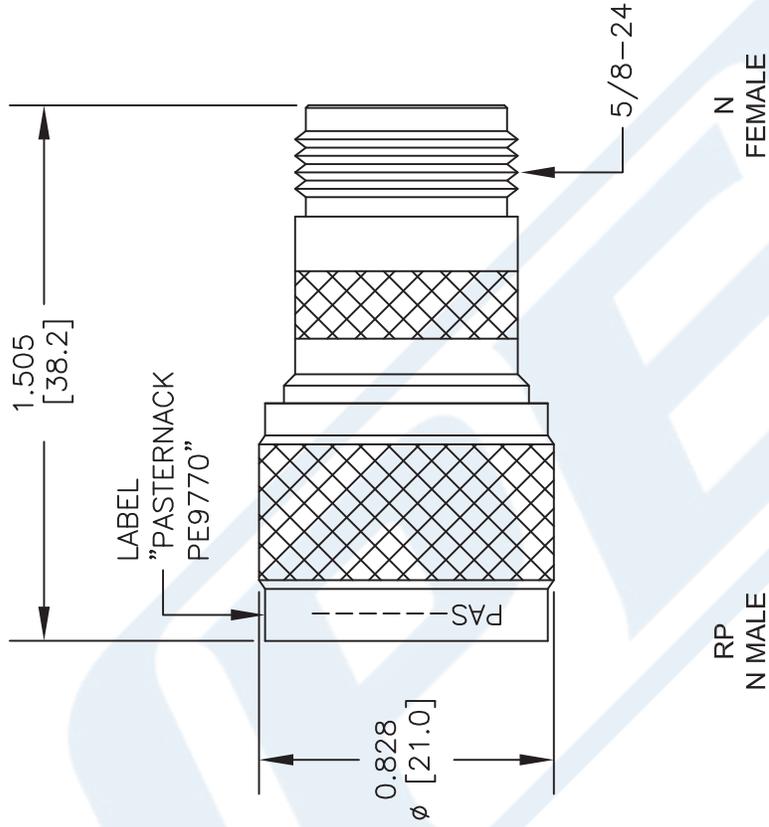
Click the following link (or enter part number in "SEARCH" on website) to obtain additional part information including price, inventory and certifications: [N Female to RP N Male Adapter PE9770](#)

URL: <https://www.pasternack.com/n-female-n-male-straight-adapter-pe9770-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.

# PE9770 CAD Drawing

## N Female to RP N Male Adapter



### STANDARD TOLERANCES

.X ±0.2  
.XX ±0.1  
.XXX ±0.05

\*STANDARD TOLERANCES APPLY ONLY TO DIMENSIONS IN INCHES



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DWG TITLE

**PE9770**

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 082416

SCALE N/A

SIZE A

2233