



N Tee Adapter Female-Male-Female

RF Adapters Technical Data Sheet

PE9102

Configuration

- N Female Connector 1
- N Male Connector 2
- 50 Ohms
- Tee Body Geometry

Features

- N Interface compliant with MIL-STD-348
- Silver Plated Contact
- 200 µin min Silver Contact Plating

Applications

- General Purpose Test

Description

Pasternack's PE9102 type N tee adapter female-male-female is part of our full line of RF components available for same-day shipping. Tee adapters (also called tee connectors) are three port devices that can be used to split or combine a signal. Unlike power dividers/combiners, however, they do not provide matched impedance at all ports.

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
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	1.75 in [44.45 mm]
Width	0.78 in [19.81 mm]
Height	1.48 in [37.59 mm]
Weight	0.178 lbs [80.74 g]

Click the following link (or enter part number in "SEARCH" on website) to obtain additional part information including price, inventory and certifications: [N Tee Adapter Female-Male-Female PE9102](#)



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Description	Connector 1	Connector 2
Type	N Female	N Male
Polarity	Standard	Standard
Interface Specification	MIL-STD-348	MIL-STD-348

Material Specifications

Description	Connector 1		Connector 2	
	Material	Plating	Material	Plating
Type	N Female		N Male	
Contact	Beryllium Copper	Silver 200 µin minimum	Brass	Silver 200 µin minimum
Insulation	PTFE		PTFE	
Outer Conductor	Brass	Nickel 150 µin minimum		
Body			Brass	Nickel 150 µin minimum

Environmental Specifications

Temperature

Operating Range -65 to +165 deg C

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

Plotted and Other Data

Notes:

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N Tee Adapter Female-Male-Female 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.

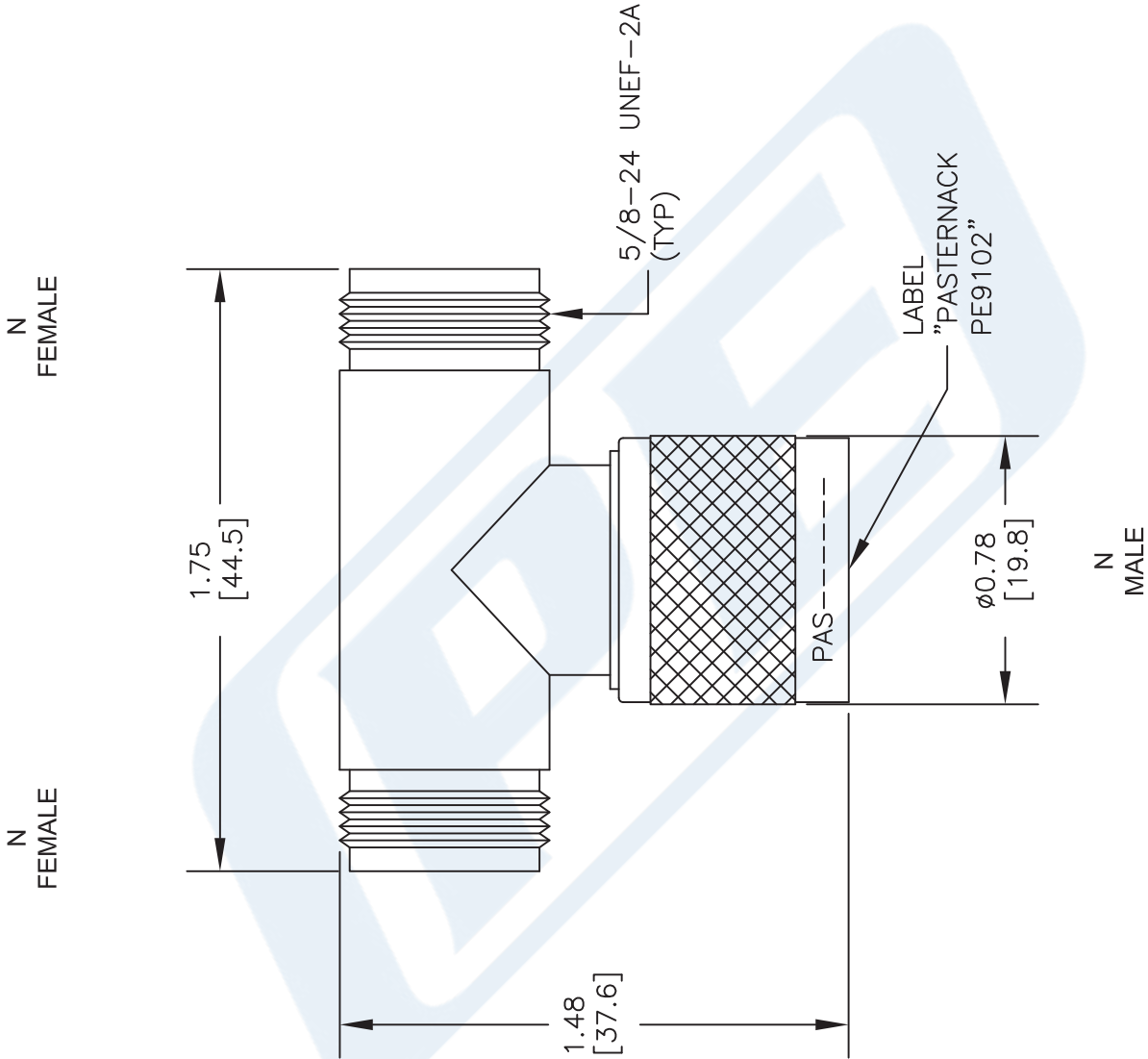
Click the following link (or enter part number in "SEARCH" on website) to obtain additional part information including price, inventory and certifications: [N Tee Adapter Female-Male-Female PE9102](https://www.pasternack.com/n-female-male-female-tee-adapter-pe9102-p.aspx)

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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.

PE9102 CAD Drawing

N Tee Adapter Female-Male-Female



STANDARD TOLERANCES

.X ±0.2
 .XX ±0.1
 .XXX ±0.05

*STANDARD TOLERANCES APPLY ONLY TO DIMENSIONS IN INCHES

DWG TITLE

PE9102

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].

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CAD FILE 083016

SCALE N/A

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