



N Male to 2.2-5 Female Adapter, Low PIM

RF Adapters Technical Data Sheet

PE9797

Configuration

- N Male Connector 1
- 2.2-5 Female Connector 2
- 50 Ohm
- Low PIM Design
- Straight Body Geometry

Features

- Max VSWR of 1.25:1 up to 8 GHz
- Typical PIM levels of -160 dBc
- VSWR of 1.25:1 max up to 8 GHz
- PIM levels better than -160 dBc
- Corrosion Resistant Tri-Metal finish

Applications

- Allows Connection Between Series
- General Purpose Test
- Low PIM Applications
- Enables Between Series Connections
- General Purpose Test
- Low PIM Applications
- Mobile Communications Systems
- Base Stations
- Distributed Antenna Systems
- Small Cells
- Feeder Cables

Description

Pasternack's PE9797 type N male to 2.2-5 female adapter is part of our full line of RF components available for same-day shipping. Our type N to 2.2-5 adapter has a male to female gender configuration in a low PIM design. PE9797 type N male to 2.2-5 female adapter operates to 8 GHz. The Pasternack RF adapter provides excellent VSWR of 1.25:1 maximum and passive intermodulation of -160 dBc typical.

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		8	GHz
VSWR			1.25:1	
Passive Intermodulation		-160		dBc
Dielectric Withstanding Voltage (AC)			750	Vrms

Mechanical Specifications

Size	
Length	1.39 in [35.31 mm]
Width	0.85 in [21.59 mm]

Click the following link (or enter part number in "SEARCH" on website) to obtain additional part information including price, inventory and certifications: [N Male to 2.2-5 Female Adapter, Low PIM PE9797](#)



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Weight 0.09 lbs [40.82 g]

Description	Connector 1	Connector 2
Type	N Male	2.2-5 Female
Polarity	Standard	Standard

Material Specifications

Description	Connector 1		Connector 2	
	Material	Plating	Material	Plating
Type	N Male		2.2-5 Female	
Contact	Beryllium Copper	Silver		
Insulation	PTFE		PTFE	
Outer Conductor			Bronze	Silver
Body	Brass	Tri-Metal	Brass	Tri-Metal
Coupling Nut	Brass	Tri-Metal		

Environmental Specifications

Temperature

Operating Range -40 to +155 °C

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

Plotted and Other Data

Notes:

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N Male to 2.2-5 Female Adapter, Low PIM 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: [N Male to 2.2-5 Female Adapter, Low PIM PE9797](https://www.pasternack.com/n-male-2.2-5-female-straight-adapter-pe9797-p.aspx)

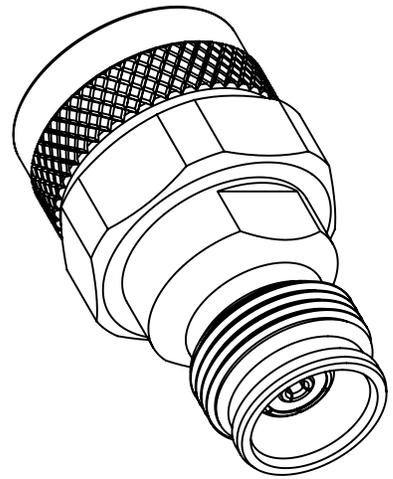
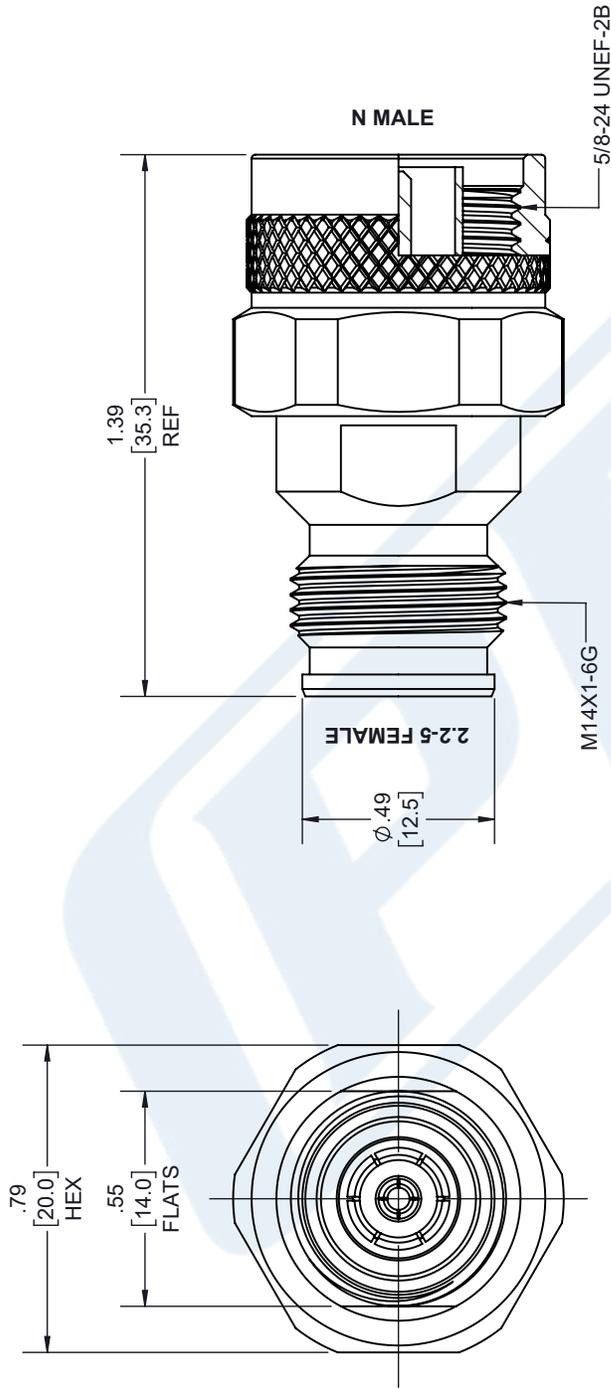
URL: <https://www.pasternack.com/n-male-2.2-5-female-straight-adapter-pe9797-p.aspx>

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.

PE9797 CAD Drawing

N Male to 2.2-5 Female Adapter, Low PIM

REVISIONS			
REV.	DESCRIPTION	DATE	APPROVED
A	INITIAL RELEASE	6/25/2021	A. GANWANI



UNLESS OTHERWISE SPECIFIED
LEADING DIMENSIONS ARE INCHES
DIMENSIONS IN [] ARE MILLIMETERS

TOLERANCES:
 .X = ±.2 [5.08] FRACTIONS ± 1/32
 .XX = ±.02 [.51] ANGLES ± 1°
 .XXX = ±.005 [.13]

CABLE LENGTH (L), TOLERANCES:
 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

ALL DIMENSIONS SHOWN
ARE FOR REFERENCE ONLY.

PE PASTERNAK
an INFINITE brand

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SIZE: A CAGE CODE: 53919 DRAWN BY: K.DANG ITEM NO.: PE9797

THIRD-ANGLE PROJECTION

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SHEET 1 OF 1

SCALE: N/A

REV: A