PASTERNACK
an INFINITE brand

N Male Precision Connector Threaded Attachment for VNA Test Cable

RF Connectors
Technical Data Sheet

PE45505

Configuration

- N Male Connector
- MIL-STD-348A
- 50 Ohms
- Straight Body Geometry
- Connector Interface Types: VNA Test Cable
- Precision Design

Features

- Max. Operating Frequency 18 GHz
- Excellent VSWR of 1.2:1
- Gold Plated Beryllium Copper Contact
- 50 [1.27] µin. [µm] minimum contact plating

Applications

- General Purpose Test
- Precision Test & Measurement
- Custom Cable Assemblies

Description

Pasternack's PE45505 type N male connector with threaded attachment for VNA test cable is part of our full line of RF components available for same-day shipping. Our type N male connector operates up to a maximum frequency of 18 GHz and offers excellent VSWR of 1.2:1.

Our type N male connector PE45505 datasheet specifications and drawing with dimensions are shown below in this PDF. Pasternack's broad catalog of RF, microwave and millimeter wave connectors allows designers to configure and customize their signal connections however they like. Whether the need is to provide an I/O for a board design, or simply create a custom cable assembly configuration, Pasternack has the right connector for the job. Pasternack can also expertly build your custom cable assemblies for you and ship same-day.

Electrical Specifications

Description	Minimum	Typical	Maximum	Units
Frequency Range	DC		18	GHz
VSWR			1.2:1	
Return Loss			21	dB
Insertion Loss			0.21	dB
Operating Voltage (AC)			335	Vrms
Dielectric Withstanding Voltage (AC)			1,000	Vrms
Inner Conductor DC Resistance			1	mOhms
Outer Conductor DC Resistance			1	mOhms
RF Leakage	90			dB

Mechanical Specifications

Size

Length	1.3 in [33.02 mm]
Width/Dia.	0.787 in [19.99 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 Precision Connector Threaded Attachment for VNA Test Cable PE45505

Pasternack Enterprises, Inc. • P.O. Box 16759, Irvine, CA 92623
Phone: (866) 727-8376 or (949) 261-1920 • **Fax:** (949) 261-7451
Sales@Pasternack.com • Techsupport@Pasternack.com

N Male Precision Connector Threaded Attachment for VNA Test Cable

Weight	0.082 lbs [37.19 g]
Mating Cycles	500 Cycles

Material Specifications

Description	Material	Plating
Contact	Beryllium Copper	Gold 50 [1.27] µin. [µm] minimum
Insulation	PPE	
Body	Passivated Stainless Steel	
Coupling Nut	Passivated Stainless Steel	

Mechanical Specification Notes:
Recommended torque: 2 Nm

Environmental Specifications

Temperature

Operating Range	-40 to +85 deg C
Humidity	MIL-STD-202, Method 106
Shock	MIL-STD-202, Method 213, Condition I
Vibration	MIL-STD-202, Method 204, Condition D
Salt Spray	MIL-STD-202, Method 101, Condition B

Compliance Certifications (see product page for current document)

Plotted and Other Data

Notes:

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N Male Precision Connector Threaded Attachment for VNA Test Cable 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 Precision Connector Threaded Attachment for VNA Test Cable PE45505

URL: https://www.pasternack.com/n-male-vna-test-cable-connector-pe45505-p.aspx

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PE45505 CAD Drawing

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