



## N Male Hermetically Sealed Connector Solder Attachment 4 Hole Flange Mount Terminal

### RF Connectors Technical Data Sheet

**PE1951**

#### Configuration

- N Male Connector
- 50 Ohms
- Straight Body Geometry
- 4 Hole Flange

#### Features

- Max. Operating Frequency 11 GHz
- Excellent VSWR of 1.2:1
- Gold Plated Brass Contact
- Hermetically Sealed

#### Applications

- General Purpose Test
- Rack and Panel Mount Applications

#### Description

Pasternack's PE1951 type N , N, Standard, connector with solder/solder attachment terminal 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 11 GHz and offers excellent VSWR of 1.2:1. This type N 4 hole flange connector allows designers to create external connections on their product enclosures, and can be used in a variety of other rack mount and panel mount applications.

Our type N male 4 hole flange connector PE1951 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		11	GHz
VSWR			1.2:1	
Insertion Loss			0.165	dB
Operating Voltage (AC)			1,000	Vrms
Impedance		50		Ohms
Dielectric Withstanding Voltage (AC)			2,500	Vrms
Inner Conductor DC Resistance			1.5	mOhms
Outer Conductor DC Resistance			1	mOhms
Insulation Resistance	5,000			MOhms

#### Mechanical Specifications

##### Size

Length	1.65 in [41.91 mm]
Width	0.83 in [21.08 mm]
Height	0.83 in [21.08 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 Hermetically Sealed Connector Solder Attachment 4 Hole Flange Mount Terminal PE1951](#)



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Weight	0.09 lbs [40.82 g]
Mating Cycles	500 Cycles
Mating Torque	6 to 10 in-lbs [0.68 to 1.13 Nm]
Cable Retention Force	6.3 lbs 2.86 kg

#### Material Specifications

Description	Material	Plating
Contact	Brass	Gold
Insulation	PTFE	
Body	Brass	Tri-Metal
Coupling Nut	Brass	Tri-Metal

#### Environmental Specifications

##### Temperature

Operating Range	-65 to +165 deg C
Humidity	MIL-STD-202, Method106
Thermal Shock	MIL-STD-202, Method107, Condition B
Salt Spray	MIL-STD-202, Method101, Condition B
Hermetic Seal	1*10-6cc/sec helium at 1atm

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

#### Plotted and Other Data

Notes:

N Male Hermetically Sealed Connector Solder Attachment 4 Hole Flange Mount Terminal 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 Hermetically Sealed Connector Solder Attachment 4 Hole Flange Mount Terminal PE1951](#)

URL: <https://www.pasternack.com/n-male-terminal-connector-pe1951-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.

