

N Male Low PIM Connector Solder Attachment for 1/2" Helical, 1/2" Superflexible, SPP- 500-LLPL, SPO-500, SPF-500



PE45994

Configuration

- N Male Connector
- 50 Ohms
- Straight Body Geometry
- Connector Interface Types: 1/2" Helical, 1/2" Superflexible, SPP-500-LLPL, SPO-500, SPF-500
- Low PIM Design

Features

- Max. Operating Frequency 6 GHz
- Silver Plated Brass Contact
- Max of VSWR 1.1:1 at 1GHz, Max of VSWR 1.15:1 at 3.7GHz, Max of VSWR 1.25:1 at 6GHz
- PIM is less than -160dBc at 1.8GHz typical

Applications

- General Purpose Test
- Wireless Communications
- Custom Cable Assemblies
- Low PIM Applications

Description

Pasternack's PE45994 type N , N, Low PIM, Connector 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 6 GHz.

Our type N male connector PE45994 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 | | 6 | GHz |
| Dielectric Withstanding Voltage (AC) | | | 1,000 | Vrms |
| Impedance | | 50 | | Ohms |

Mechanical Specifications

Size

| | |
|--------|---------------------|
| Length | 1.22 in [30.99 mm] |
| Width | 0.79 in [20.07 mm] |
| Height | 0.85 in [21.59 mm] |
| Weight | 0.072 lbs [32.66 g] |

Material Specifications

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

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Environmental Specifications

Temperature

Operating Range -40 to +155 deg C

Environmental Specification Notes:
IEC 61169-16

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

Plotted and Other Data

Notes:

N Male Low PIM Connector Solder Attachment for 1/2" Helical, 1/2" Superflexible, SPP-500-LLPL, SPO-500, SPF-500 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 Low PIM Connector Solder Attachment for 1/2" Helical, 1/2" Superflexible, SPP-500-LLPL, SPO-500, SPF-500 PE45994](#)

URL: <https://www.pasternack.com/n-male-1-2-inch-helical-1-2-inch-superflexible-connector-pe45994-p.aspx>

The information contained within 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 Enterprises reserves the right to make such changes as required. Unless otherwise stated, all specifications are nominal. Pasternack Enterprises does not make any representation or warranty regarding the suitability of the part described herein for any particular purpose, and Pasternack Enterprises does not assume liability arising out of the use of any part or document.

