

N Female Connector Clamp/Solder Attachment for
LMR-400-FR, LMR-LW400, TCOM-400, LMR-400-
LLPX, PE-B400, PE-B405, PE-C400, LMR-400,

PE51766



Configuration

- N Female Connector
- 50 Ohms
- Straight Body Geometry
- Connector Interface Types: LMR-400-FR, LMR-LW400, TCOM-400, LMR-400-LLPX, PE-B400, PE-B405, PE-C400, LMR-400, LMR-400-DB, LMR-400-UF

Features

- Max. Operating Frequency 2 GHz
- Excellent VSWR of 1.25:1
- Gold over Nickel over Copper Plated Phosphor Bronze Contact

Applications

- General Purpose Test
- Custom Cable Assemblies

Description

Pasternack's PE51766 type N , N, Standard, Connector is part of our full line of RF components available for same-day shipping. Our type N female connector operates up to a maximum frequency of 2 GHz and offers excellent VSWR of 1.25:1.

Our type N female connector PE51766 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		2	GHz
VSWR			1.25:1	
Insertion Loss			0.07	dB
Operating Voltage (AC)			1,000	Vrms
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
Impedance		50		Ohms

Mechanical Specifications

Size

Length	1.425 in [36.2 mm]
Width	0.748 in [19 mm]
Height	0.748 in [19 mm]
Weight	0.115 lbs [52.16 g]
Mating Cycles	500 Cycles
Mating Torque	6 to 10 in-lbs [[0.68 to 1.13 Nm]]

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PE51766



Material Specifications

Description	Material	Plating
Contact	Phosphor Bronze	Gold over Nickel over Copper
Insulation	Teflon	
Body	Brass	Copper-Tin-Zinc Alloy
Gasket	Silicone	
Crimp Sleeve	Brass	Copper-Tin-Zinc Alloy

Environmental Specifications

Temperature	
Operating Range	-65 to +165 deg C
Humidity	MIL-STD-202, Method 106
Thermal Shock	MIL-STD-202, Method 107, Condition B
Salt Spray	MIL-STD-202, Method 101, Condition B

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

Plotted and Other Data

Notes:

N Female Connector Clamp/Solder Attachment for LMR-400-FR, LMR-LW400, TCOM-400, LMR-400-LLPX, PE-B400, PE-B405, PE-C400, LMR-400, 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 Female Connector Clamp/Solder Attachment for LMR-400-FR, LMR-LW400, TCOM-400, LMR-400-LLPX, PE-B400, PE-B405, PE-C400, LMR-400, PE51766](#)

URL: <https://www.pasternack.com/n-female-fr-lmr-lw400-llpx-pe-b400-connector-pe51766.html>

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.

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