

N Male Right Angle Precision Connector Clamp/ Solder Attachment for PE-P142LL



PE517876

Configuration

- N Male Connector
- 50 Ohms
- Right Angle Body Geometry
- Connector Interface Types: PE-P142LL
- Precision Design

Features

- Max. Operating Frequency 18 GHz
- Good VSWR of 1.3:1
- Gold over Nickel over Copper Plated Beryllium Copper Contact

Applications

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

Description

Pasternack's PE517876 Right Angle type N Male Connector Clamp/Solder Attachment for PE-P142LL 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 good VSWR of 1.3:1. Its right angle body geometry allows for easier connections in tight spaces.

Our type N male right angle connector PE517876 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			1.3:1	
Insertion Loss			0.212	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	1.629 in [41.38 mm]
Width	0.748 in [19 mm]
Height	1.241 in [31.52 mm]
Weight	0.173 lbs [78.47 g]
Mating Cycles	500 Cycles
Mating Torque	6 to 10 in-lbs [0.68 to 1.13 Nm]

N Male Right Angle Precision Connector Clamp/ Solder Attachment for PE-P142LL



PE517876

Material Specifications

Description	Material	Plating
Contact	Beryllium Copper	Gold over Nickel over Copper
Insulation	PTFE	
Body	Passivated Stainless Steel	
Coupling Nut	Brass	Copper-Tin-Zinc Alloy
Retaining Ring	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 Male Right Angle Precision Connector Clamp/Solder Attachment for PE-P142LL 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 Right Angle Precision Connector Clamp/Solder Attachment for PE-P142LL PE517876](#)

URL: <https://www.pasternack.com/n-male-pe-p142ll-connector-pe517876.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.

