



N Female Precision Connector Clamp/ Solder Attachment for PE-P300LL

RF Connectors Technical Data Sheet

PE45245

Configuration

- N Female Connector
- MIL-STD-348
- 50 Ohms
- Straight Body Geometry
- PE-P300LL Interface Type
- Clamp/Solder Attachment
- Precision Design

Features

- Max. Operating Frequency 18 GHz
- Excellent VSWR of 1.16:1
- Gold Plated Beryllium Copper Contact
- Contact plating according to ASTM-B488 50 μ m minimum

Applications

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

Description

Pasternack's PE45245 type N female precision connector with clamp/solder attachment for PE-P300LL 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 18 GHz and offers excellent VSWR of 1.16:1.

Our type N female connector PE45245 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			1.16:1	

Mechanical Specifications

Size

Length	1.77 in [44.96 mm]
Width/Dia.	0.875 in [22.23 mm]
Weight	0.091 lbs [41.28 g]

Click the following link (or enter part number in "SEARCH" on website) to obtain additional part information including price, inventory and certifications: [N Female Precision Connector Clamp/Solder Attachment for PE-P300LL PE45245](#)



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Material Specifications

Description	Material	Plating
Contact	Beryllium Copper	Gold ASTM-B488 50 µin minimum
Insulation	PEI	
Outer Conductor	Passivated Stainless Steel	SAE-AMS-2700
Body	Passivated Stainless Steel	SAE-AMS-2700

Environmental Specifications

Temperature

Operating Range

-55 to +160 deg C

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

Plotted and Other Data

Notes:

N Female Precision Connector Clamp/Solder Attachment for PE-P300LL 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.

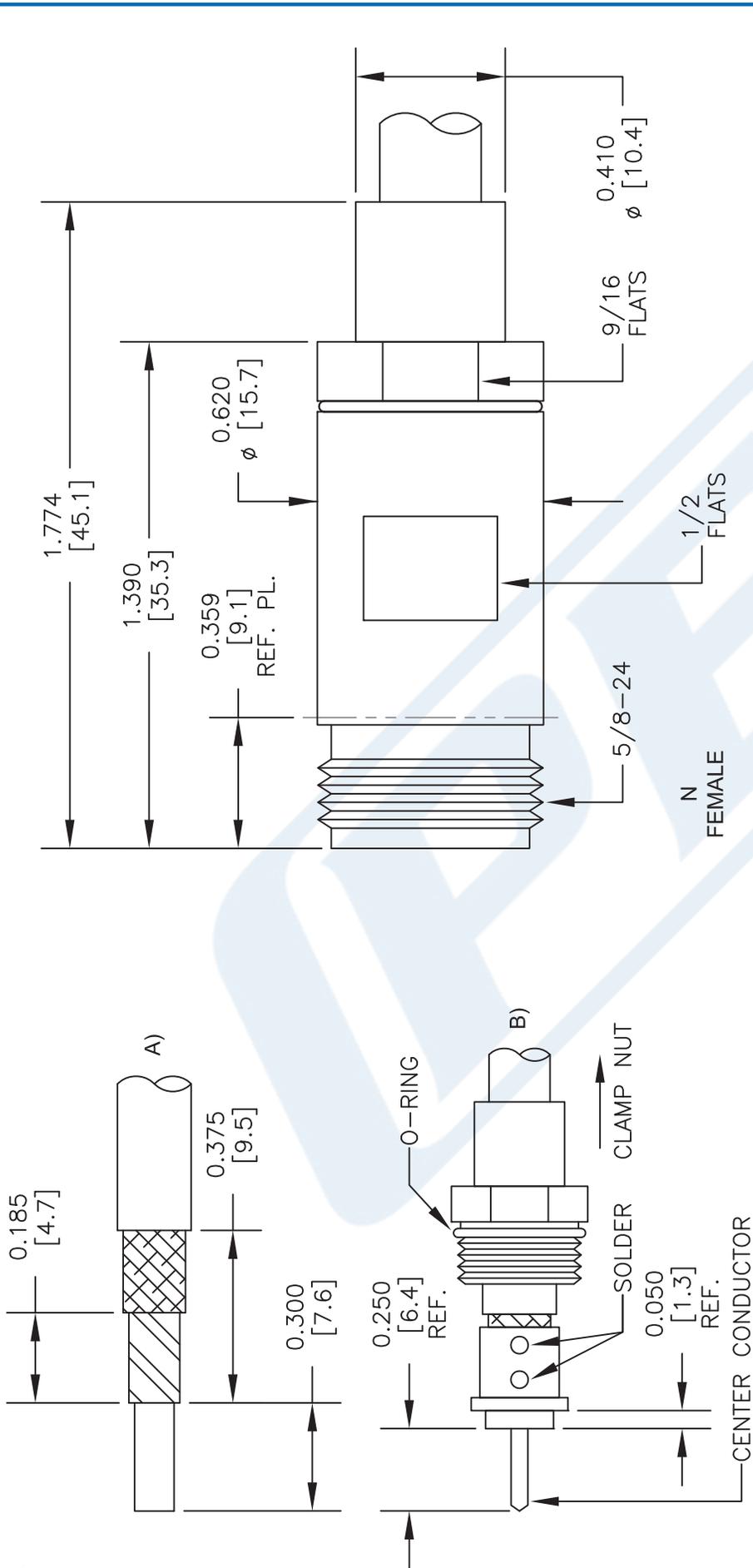
Click the following link (or enter part number in "SEARCH" on website) to obtain additional part information including price, inventory and certifications: [N Female Precision Connector Clamp/Solder Attachment for PE-P300LL PE45245](#)

URL: <https://www.pasternack.com/n-female-pe-p300ll-connector-pe45245-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.

PE45245 CAD Drawing

N Female Precision Connector Clamp/Solder Attachment for PE-P300LL



N
FEMALE

STRIPPING DIMENSIONS

ASSEMBLY PROCEDURES

1. TRIM CABLE TO EXPOSE DIELECTRIC CORE AND BRAIDS AS SHOWN IN (A).
2. SLIDE CLAMP NUT OVER CABLE AS SHOWN IN (B). INSERT CABLE INTO FERRULE UNTIL INNER BRAID SEATS AND SOLDER TO FERRULE WHERE SHOWN. TRIM DIELECTRIC CORE FLUSH WITH FACE OF SOLDER FERRULE. POINT CENTER CONDUCTOR AS SHOWN.
3. SCREW ASSEMBLY INTO BODY & TIGHTEN NUT.

STANDARD TOLERANCES

.X ±0.2
.XX ±0.1
.XXX ±0.05

*STANDARD TOLERANCES APPLY ONLY TO DIMENSIONS IN INCHES

DWG TITLE

PE45245

- NOTES:
1. UNLESS OTHERWISE SPECIFIED ALL DIMENSIONS ARE NOMINAL.
 2. ALL SPECIFICATIONS ARE SUBJECT TO CHANGE WITHOUT NOTICE AT ANY TIME.
 3. DIMENSIONS ARE IN INCHES [mm].

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SCALE N/A

SIZE A

2233