



N Male Right Angle Precision Connector Clamp/ Solder Attachment for PE-P300LL

RF Connectors Technical Data Sheet

PE45225

Configuration

- N Male Connector
- 50 Ohms
- Right Angle Body Geometry
- Connector Interface Types: PE-P300LL
- 3/4 Inch Hex
- Precision Design

Features

- Max. Operating Frequency 18 GHz
- Good VSWR of 1.45:1
- 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 PE45225 type N Right Angle, N, Precision, 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 18 GHz and offers good VSWR of 1.45:1. Its right angle body geometry allows for easier connections in tight spaces.

Our type N male right angle connector PE45225 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			1.45:1	
Impedance		50		Ohms

Mechanical Specifications

Size	
Length	2.08 in [52.83 mm]
Width	0.82 in [20.83 mm]
Height	1.15 in [29.21 mm]
Weight	0.15 lbs [68.04 g]

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-P300LL PE45225](#)



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Material Specifications

Description	Material	Plating
Contact	Beryllium Copper	Gold ASTM-B488 50 µin minimum
Insulation	PTFE	
Body	Passivated Stainless Steel	SAE-AMS-2700
Coupling Nut	Passivated Stainless Steel	SAE-AMS-2700
Gasket	Silicone Rubber	

Environmental Specifications

Temperature

Operating Range -55 to +160 deg C

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

Plotted and Other Data

Notes:

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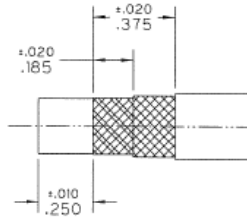
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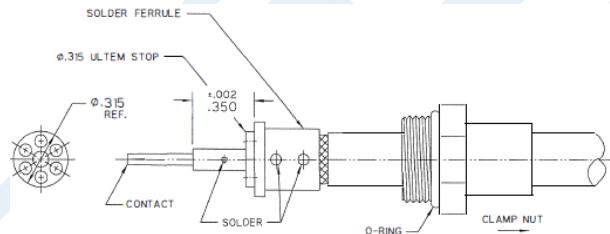
PE45225

Assembly Instruction

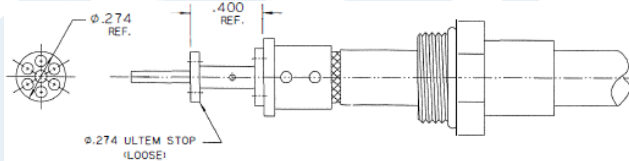
1. TRIM CABLE AND EXPOSE BRAIDS AND DIELECTRIC AS SHOWN.



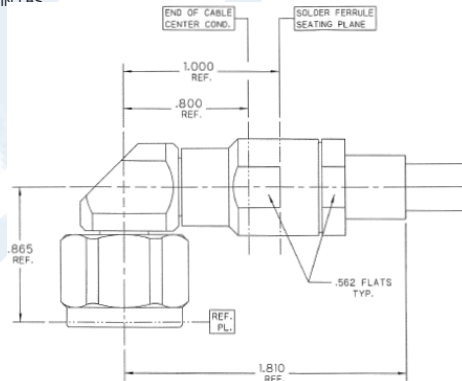
2. SLIDE CLAMP NUT OVER CABLE AS SHOWN. INSERT CABLE INTO SOLDER FERRULE UNTIL CABLE DIELECTRIC IS FLUSH WITH FACE OF FERRULE. THEN SOLDER BOTH CABLE BRAIDS WHERE SHOWN. TRIM CABLE DIELECTRIC FLUSH WITH FACE OF FERRULE. SLIDE Ø0.315 ULTEM STOP OVER CABLE CENTER CONDUCTOR AND SOLDER CONTACT FLUSH AGAINST STOP TO DIMENSION SHOWN.



3. SLIDE Ø0.274 ULTEM STOP OVER CONTACT AGAINST SHOULDER AS SHOWN.



4. INSERT CABLE/CONTACT SUB-ASSEMBLY INTO CONNECTOR UNTIL SEATED AND TIGHTEN CLAMP NUT TO 35-45 IN LBS.



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N Male Right Angle 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.

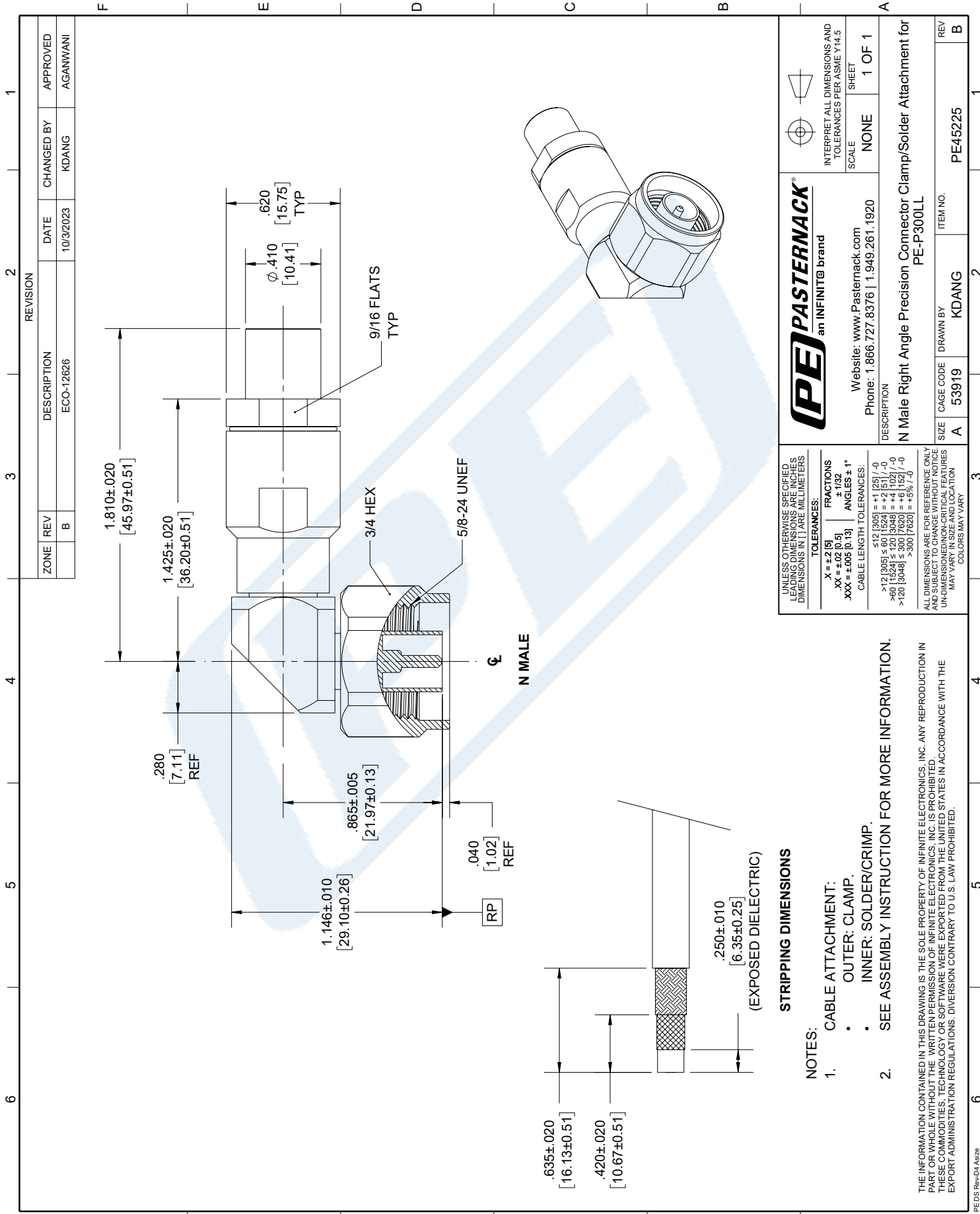
Click the following link (or enter part number in "SEARCH" on website) to obtain additional part information including price, inventory and certifications: [N Male Right Angle Precision Connector Clamp/Solder Attachment for PE-P300LL PE45225](https://www.pasternack.com/n-male-pe-p300ll-connector-pe45225-p.aspx)

URL: <https://www.pasternack.com/n-male-pe-p300ll-connector-pe45225-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.

PE45225 CAD Drawing

N Male Right Angle Precision Connector Clamp/Solder Attachment for PE-P300LL



ZONE	REV	DESCRIPTION	DATE	CHANGED BY	APPROVED
	B	ECO-12626	10/3/2023	KDANG	AGANWANI

		INTERPRET ALL DIMENSIONS AND TOLERANCES PER ASME Y14.5	
Website: www.Pasternack.com Phone: 1.866.727.8376 1.949.261.1920	SCALE: NONE	SHEET: 1 OF 1	
DESCRIPTION: N Male Right Angle Precision Connector Clamp/Solder Attachment for PE-P300LL			
SIZE: A	CAGE CODE: 53919	DRAWN BY: KDANG	ITEM NO.: PE45225
REV	B		