



N Male Right Angle Low PIM Connector Clamp/Non-Solder Contact Attachment for 1/2 inch Helical

RF Connectors Technical Data Sheet

PE44554

Configuration

- N Male Connector
- IEC 60169-16
- 50 Ohms
- Right Angle Body Geometry
- Connector Interface Types: 1/2 inch Helical, 1/2 inch Superflexible, PE-1/2 Helical, PE-1/2SFHC
- 3/4 inch Hex
- Low PIM Design

Features

- Max. Operating Frequency 3 GHz
- Excellent VSWR of 1.1:1
- PIM levels lower than -160 dBc
- Silver Plated Brass Contact
- 5 μ m minimum contact plating
- IP67 Rated

Applications

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

Description

Pasternack's PE44554 type N Right Angle, 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 3 GHz and offers excellent VSWR of 1.1:1. The type N male connector also has low passive intermodulation of -160 dBc. Its right angle body geometry allows for easier connections in tight spaces. The connector has an IP67 rating to protect against dust and temporary moisture protection under immersion conditions.

Our type N male right angle connector PE44554 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		3	GHz
VSWR			1.1:1	
Insertion Loss			0.1	dB
Passive Intermodulation using 2x20W tones			-160	dBc
Impedance		50		Ohms
Dielectric Withstanding Voltage (DC)			2,500	Vdc
Inner Conductor DC Resistance			0.8	mOhms
Outer Conductor DC Resistance			0.4	mOhms
Insulation Resistance	5,000			MOhms

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 Low PIM Connector Clamp/Non-Solder Contact Attachment for 1/2 inch Helical PE44554](#)



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Mechanical Specifications

Size

Length	2.77 in [70.36 mm]
Width	0.75 in [19.05 mm]
Height	1.73 in [43.82 mm]
Weight	0.43 lbs [194.14 g]

Material Specifications

Description	Material	Plating
Contact	Brass	Silver 5 µm minimum
Insulation	PTFE	
Body	Brass	Tri-Metal 2 µm minimum
Coupling Nut	Brass	Nickel 5 µm minimum

Environmental Specifications

Temperature

Operating Range	-55 to +155 deg C
Ingress Protection (IP) Rating	IP67 Rated
Shock	MIL-STD-202, Method 213, Condition I
Vibration	MIL-STD-202, Method 204, Condition B
Thermal Shock	MIL-STD-202, Method 107, Condition B

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

Plotted and Other Data

Notes:

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N Male Right Angle Low PIM Connector Clamp/Non-Solder Contact Attachment for 1/2 inch Helical 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.

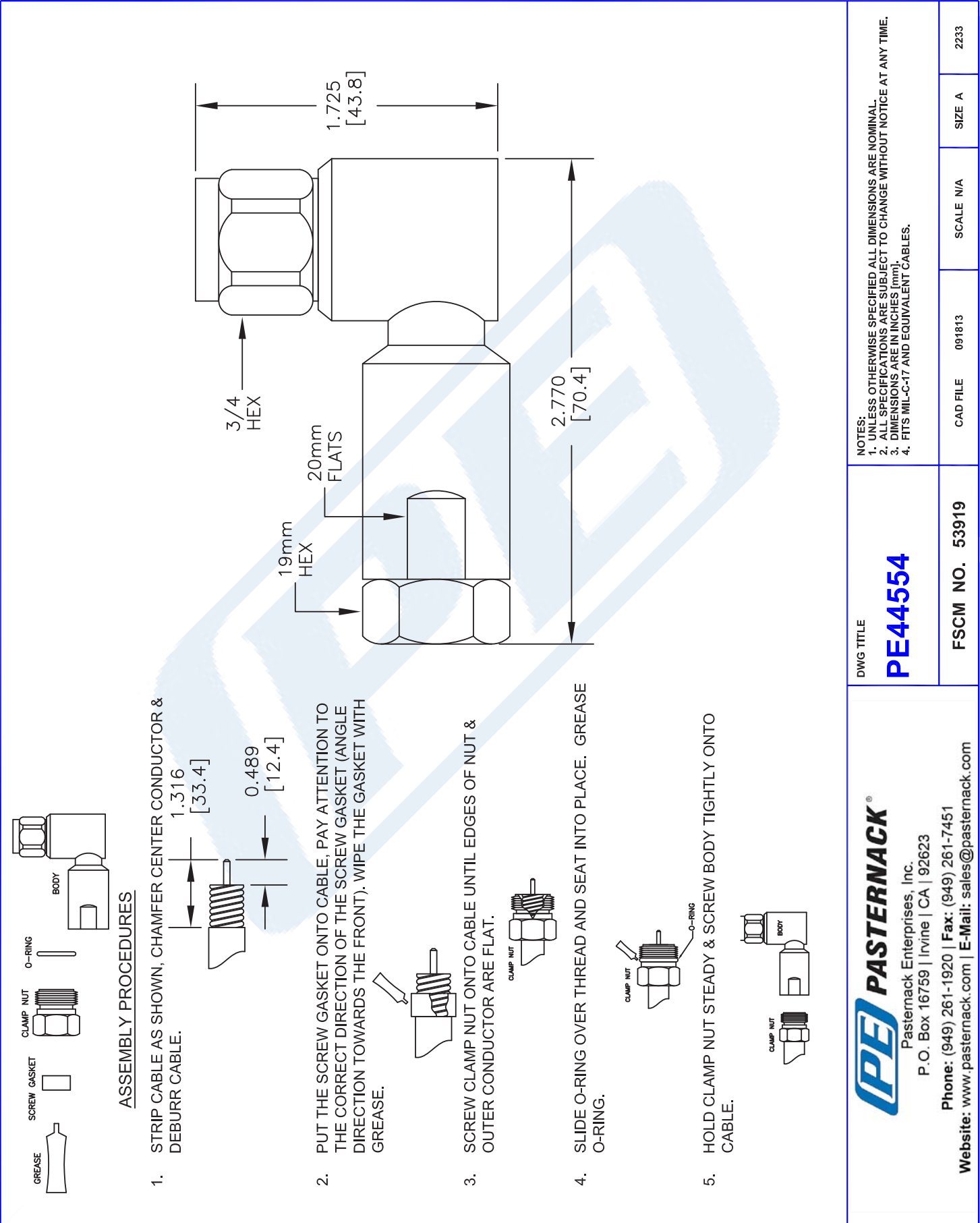
Click the following link (or enter part number in "SEARCH" on website) to obtain additional part information including price, inventory and certifications: [N Male Right Angle Low PIM Connector Clamp/Non-Solder Contact Attachment for 1/2 inch Helical PE44554](https://www.pasternack.com/n-male-standard-1-2-inch-helical-connector-pe44554-p.aspx)

URL: <https://www.pasternack.com/n-male-standard-1-2-inch-helical-connector-pe44554-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.

PE44554 CAD Drawing

N Male Right Angle Low PIM Connector Clamp/Non-Solder Contact Attachment for 1/2 inch Helical



DWG TITLE

PE44554

FSCM NO. 53919

CAD FILE 091813

SCALE N/A

SIZE A

2233



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