

N Male Low PIM Connector Clamp/Non-Solder Contact Attachment for PE-1/2FAC, 1/2 inch Flexible, 1/2 inch Annular, IP67 Rated

PE44735



Configuration

- N Male Connector
- IEC 60169-16
- 50 Ohms
- Straight Body Geometry
- Connector Interface Types: PE-1/2FAC, 1/2 inch Flexible, 1/2 inch Annular
- 19 mm Hex
- Low PIM Design

Features

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

Applications

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

Description

Pasternack's PE44735 type N , 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. The connector has an IP67 rating to protect against dust and temporary moisture protection under immersion conditions.

Our type N male connector PE44735 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			-160	dBc
IM3 (2x43dBm Tones) using 2x20W tones				
Operating Voltage (DC)			1,700	Vdc
Dielectric Withstanding Voltage (DC)			2,500	Vdc
Insulation Resistance	5,000			MOhms
Impedance		50		Ohms

Mechanical Specifications

Size

Length	2.41 in [61.21 mm]
Width	0.85 in [21.59 mm]
Weight	0.223 lbs [101.15 g]

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Contact Attachment for PE-1/2FAC, 1/2 inch
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Material Specifications

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

Environmental Specifications

Temperature

Operating Range	-40 to +85 deg C
Ingress Protection (IP) Rating	IP67 Rated
Shock	IEC 60068-2-27
Vibration	IEC 60068-2-6-Fc
Thermal Shock	IEC 60068-2-14-Na

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

Plotted and Other Data

Notes:

N Male Low PIM Connector Clamp/Non-Solder Contact Attachment for PE-1/2FAC, 1/2 inch Flexible, 1/2 inch Annular, IP67 Rated 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 Low PIM Connector Clamp/Non-Solder Contact Attachment for PE-1/2FAC, 1/2 inch Flexible, 1/2 inch Annular, IP67 Rated PE44735](#)

URL: <https://www.pasternack.com/n-male-standard-1-2-inch-flexible-pe-1-2sfhc-connector-pe44735.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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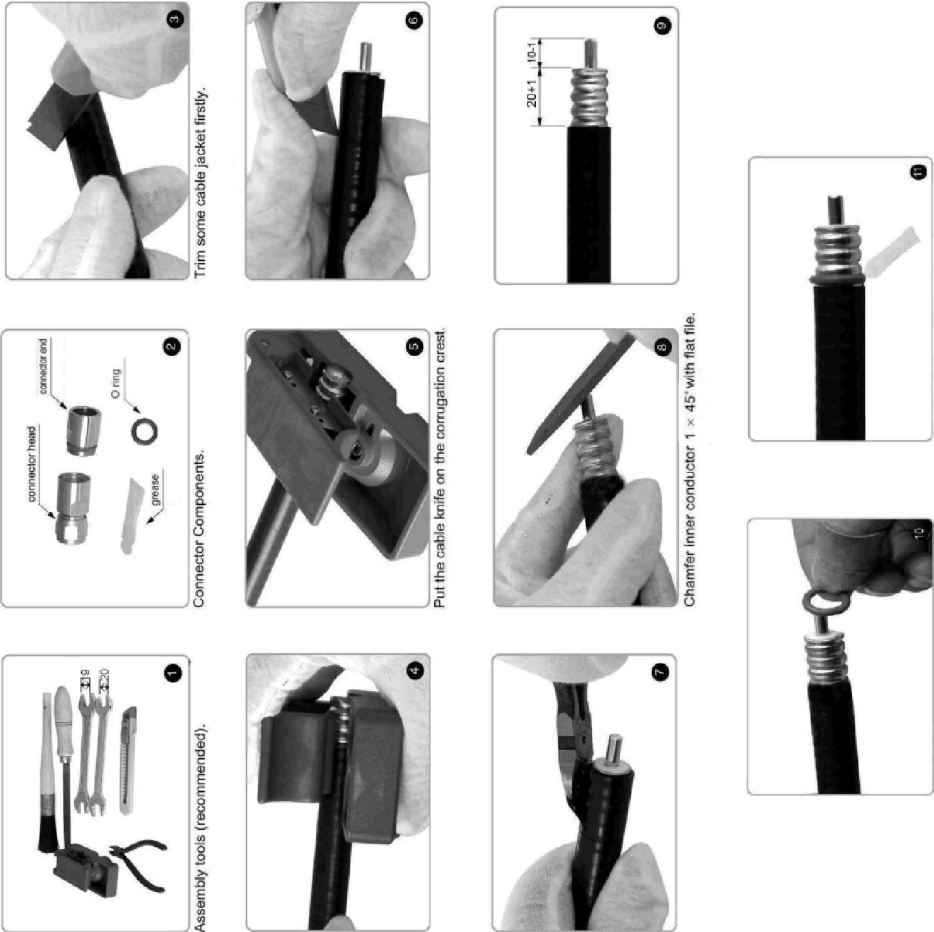
Installation Instruction

Installation instructions of N type male connector for 1/2" normal cable

Please read the instruction carefully before assembly. Assemble it according to this instruction exactly.

Tools and Material:

Scale (with mm graduations), cable knife, open-ended spanner, flat file, wire brush and other special tools.



 PASTERNAK an INFINITE® brand					INTERPRET ALL DIMENSIONS AND TOLERANCES PER ASME Y14.5	
Website: www.Pasternack.com Phone: 1.866.727.8376 1.949.261.1920			SCALE		SHEET	
			NONE		2 OF 3	
DESCRIPTION N MALE LOW PIM CONNECTOR CLAMP/NON-SOLDER CONTACT ATTACHMENT FOR PE-1/2FAC, 1/2 INCH FLEXIBLE, 1/2 INCH ANNULAR, IP67 RATED						
SIZE	CAGE CODE	DRAWN BY	ITEM NO.	REV		
A	53919	KDANG	PE44735	A1		

ALL DIMENSIONS ARE FOR REFERENCE ONLY. ALL DIMENSIONS SHALL BE TO UNLESS OTHERWISE SPECIFIED. UNDIMENSIONED/NON-CRITICAL FEATURES MAY VARY IN SIZE AND LOCATION. COLORS MAY VARY.

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PE DS SHT 2 Rev-D4 Asize

PE44735 CAD Drawing

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