

## Low PIM N Female to NEX10 Male Adapter



### PE91706

#### Configuration

- N Female Connector 1
- NEX10 Male Connector 2
- 50 Ohm
- Low PIM Design
- Straight Body Geometry

#### Features

- Typical PIM levels of -160 dBc
- Silver Plated Beryllium Copper Contact
- Max of VSWR 1.15:1 at 3GHz, Max of VSWR 1.25:1 at 6GHz
- PIM is less than -160dBc at 1.8GHz typical

#### Applications

- Allows Connection Between Series
- General Purpose Test
- Low PIM Applications

#### Description

Pasternack's PE91706 type N female to NEX10 male adapter is part of our full line of RF components available for same-day shipping. Our type N to NEX10 adapter has a female to male gender configuration in a low PIM design. PE91706 type N female to NEX10 male adapter operates to 8 GHz. The Pasternack adapter provides a passive intermodulation of -160 dBc typical.

RF adapters are often used to enable connections between two connector types that would otherwise not mate. Certain adapter configurations can also be used to protect connectors on expensive equipment where the number of connect/disconnect cycles is high. An RF, microwave or millimeter wave adapter is connected to the equipment, and the commonly changed connection is made with the adapter which can be easily replaced when it wears out after high usage; such adapters are referred to as connector savers. Pasternack also offers bulkhead, panel mount, hermetically sealed, reverse polarity, and isolated ground adapter varieties to serve all of your RF, microwave and millimeter wave needs.

#### Electrical Specifications

Description	Minimum	Typical	Maximum	Units
Frequency Range	DC		8	GHz
Impedance		50 Ohm		
Passive Intermodulation		-160		dBc
Dielectric Withstanding Voltage (AC)			750	Vrms

#### Mechanical Specifications

##### Size

Length	1.45 in [36.90 mm]
Width	0.62 in [15.80 mm]
Height	0.62 in [15.80 mm]
Weight	0.06 lbs [28.14 g]

Description	Connector 1	Connector 2
Type	N Female	NEX10 Male
Polarity	Standard	Standard

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### Material Specifications

Description	Connector 1		Connector 2	
	Material	Plating	Material	Plating
Type	N Female		NEX10 Male	
Contact	Beryllium Copper	Silver	Beryllium Copper	Silver
Insulation	PTFE		PTFE	
Outer Conductor	Beryllium Copper	Silver		
Body	Brass	Tri-Metal	Brass	Tri-Metal
Coupling Nut				Brass
				Tri-Metal

### Environmental Specifications

#### Temperature

Operating Range -40 to +155 °C

Environmental Specification Notes:  
IEC 61169-16

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

### Plotted and Other Data

Low PIM N Female to NEX10 Male Adapter 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: [Low PIM N Female to NEX10 Male Adapter PE91706](#)

URL: <https://www.pasternack.com/low-pim-n-female-to-nex10-male-adapter-pe91706-p.aspx>

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.

PE91706 CAD Drawing
Low PIM N Female to NEX10 Male Adapter

