



Low PIM N Female to N Female Adapter With Body Flats

RF Adapters Technical Data Sheet

PE91140

Configuration

- N Female Connector 1
- N Female Connector 2
- 50 Ohms
- Low PIM Design
- Straight Body Geometry

Features

- Max VSWR of 1.2:1 up to 6 GHz
- PIM levels lower than -155 dBc
- N Interface compliant with IEC 169-16, MIL-C-39012
- Silver Plated Beryllium Copper Contact
- 5µm min Silver Contact Plating

Applications

- General Purpose Test

Description

Pasternack's PE91140 Low PIM type N female to type N female adapter is part of our full line of RF components available for same-day shipping. Our type N to type N adapter has a female to female gender configuration in a Low PIM design. PE91140 type N female to type N female adapter operates to 6 GHz. The Pasternack RF adapter provides excellent VSWR of 1.2:1 maximum and passive intermodulation of -155 dBc maximum.

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 | | 6 | GHz |
| VSWR | | | 1.2:1 | |
| Passive Intermodulation using 2x20W tones (800MHz) | | | -155 | dBc |
| Operating Voltage (AC) | | | 1,000 | Vrms |
| Dielectric Withstanding Voltage (AC) | | | 2,500 | Vrms |

Electrical Specification Notes:
Values at 25°C, sea level.

Mechanical Specifications

| Size | |
|--------|------------------|
| Length | 1.5 in [38.1 mm] |

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 N Female Adapter With Body Flats PE91140](#)



Low PIM N Female to N Female Adapter With Body Flats

RF Adapters Technical Data Sheet

PE91140

Width 0.551 in [14 mm]
Weight 0.07 lbs [31.75 g]

| Description | Connector 1 | Connector 2 |
|-------------------------|-------------------------|-------------------------|
| Type | N Female | N Female |
| Polarity | Standard | Standard |
| Interface Specification | IEC 169-16, MIL-C-39012 | IEC 169-16, MIL-C-39012 |

Material Specifications

| Description | Connector 1 | | Connector 2 | |
|-----------------|------------------|--------------------------|------------------|--------------------------|
| | Material | Plating | Material | Plating |
| Type | N Female | | N Female | |
| Contact | Beryllium Copper | Silver 5 µm minimum | Beryllium Copper | Silver 5 µm minimum |
| Insulation | PTFE | | PTFE | |
| Outer Conductor | Brass | Tri-Metal 3µm minimum | Brass | Tri-Metal 3µm minimum |

Environmental Specifications

Temperature

Operating Range -45 to +125 deg C

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

Plotted and Other Data

Notes:

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 N Female Adapter With Body Flats PE91140](#)



Low PIM N Female to N Female Adapter With Body Flats

RF Adapters Technical Data Sheet

PE91140

Low PIM N Female to N Female Adapter With Body Flats from Pasternack Enterprises has same day shipment for domestic and International orders. Our RF, microwave and millimeter wave products maintain a 99% availability and are part of the broadest selection in the industry.

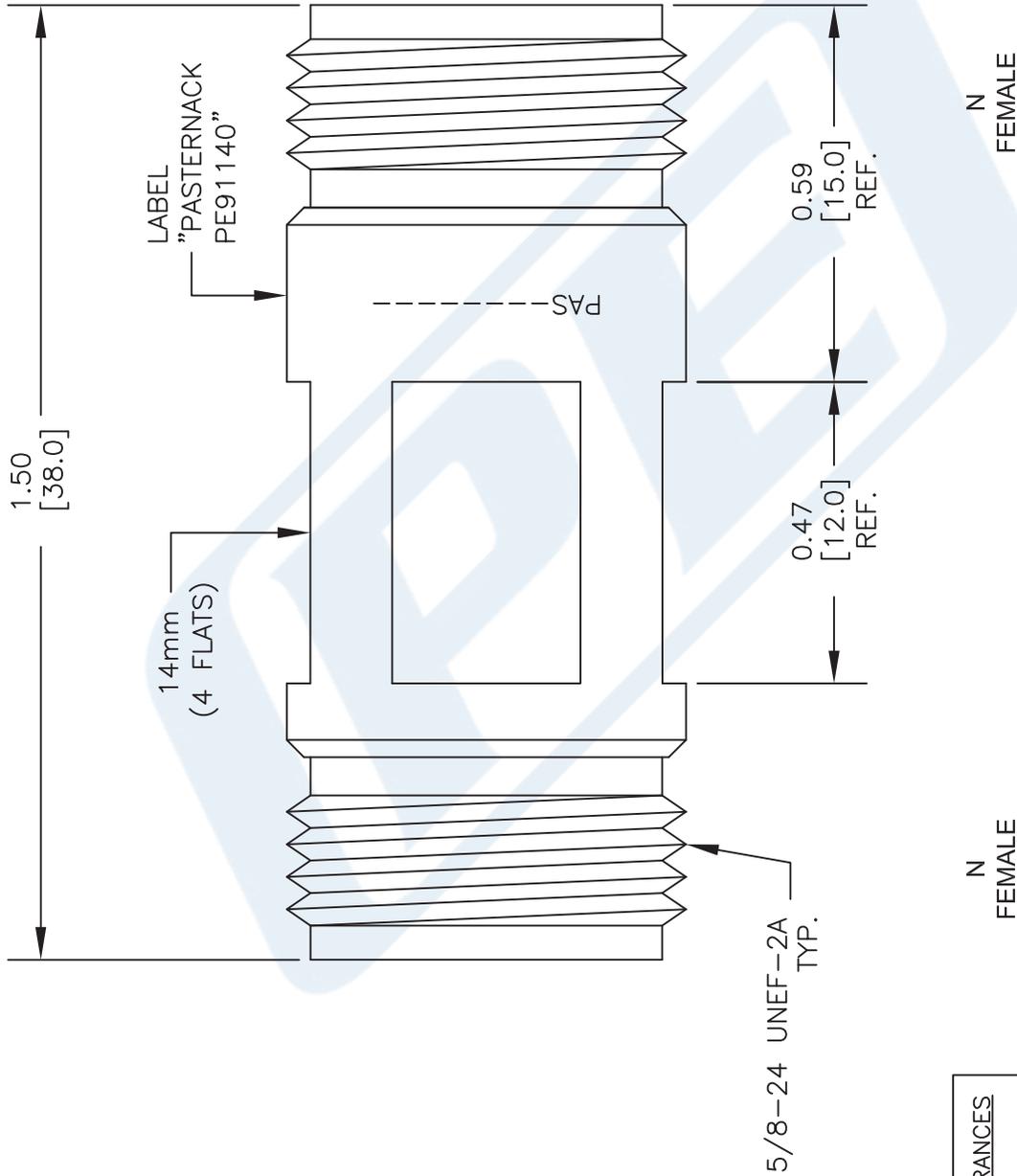
Click the following link (or enter part number in "SEARCH" on website) to obtain additional part information including price, inventory and certifications: [Low PIM N Female to N Female Adapter With Body Flats PE91140](#)

URL: <https://www.pasternack.com/n-female-n-female-straight-adapter-pe91140-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.

PE91140 CAD Drawing

Low PIM N Female to N Female Adapter With Body Flats



STANDARD TOLERANCES
 .X ±0.2
 .XX ±0.1
 .XXX ±0.05

*STANDARD TOLERANCES APPLY ONLY TO DIMENSIONS IN INCHES

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].

DWG TITLE
PE91140

FSCM NO. 53919

CAD FILE 082816

SCALE N/A

SIZE A

41742

PE PASTERNAK®
 THE ENGINEER'S RF SOURCE

Pasternack Enterprises, Inc.
 P.O. Box 16759 | Irvine | CA | 92623

Phone: (949) 261-1920 | Fax: (949) 261-7451
 Website: www.pasternack.com | E-Mail: sales@pasternack.com