



## Low PIM N Female to SMA Male Adapter

### TECHNICAL DATA SHEET

PE91178

#### Configuration

Connector 1	N Female
Impedance 1	50 Ohms
Connector 2	SMA Male
Impedance 2	50 Ohms
Adapter Design	Low PIM
Body Style	Straight

#### Electrical Specifications

Frequency Range	DC to 6 GHz
Maximum VSWR	1.2:1
Maximum Passive Intermodulation (2 x 20 Watts), dBc	-160

#### Frequency 1

Frequency, GHz	DC to 6
----------------	---------

#### Mechanical Specifications

##### Size

Length, in [mm]	1.2 [30.48]
Color	Silver

##### Connector 1

Type	N Female
Inner Conductor Material and Plating	Beryllium Copper, Silver
Body Material and Plating	Brass, Tri-Metal
Dielectric Type	PTFE

##### Connector 2

Type	SMA Male
Inner Conductor Material and Plating	Beryllium Copper, Silver
Coupling Nut Material and Plating	Passivated Stainless Steel
Hex Size, mm	8
Torque, in-lbs [Nm]	5 [0.57]
Body Material and Plating	Brass, Tri-Metal
Dielectric Type	PTFE

#### Environmental Specifications

##### Temperature

Operating Range	-45 to +125 deg C
-----------------	-------------------

#### Compliance Certifications (visit [www.Pasternack.com](http://www.Pasternack.com) for current document)

RoHS Compliant

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 SMA Male Adapter PE91178](#)



## Low PIM N Female to SMA Male Adapter

### TECHNICAL DATA SHEET

PE91178

#### Plotted and Other Data

Notes:

- Values at +25 °C, sea level

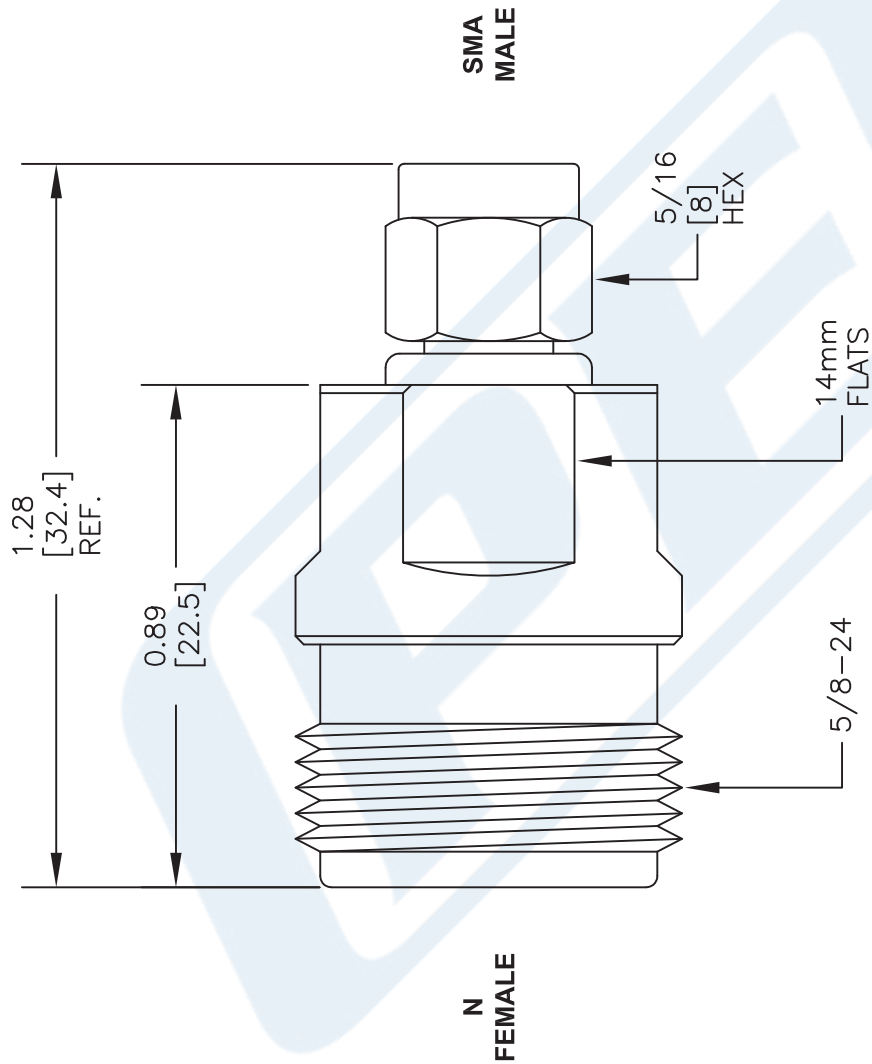
Low PIM N Female to SMA Male Adapter from Pasternack Enterprises has same day shipment for domestic and International orders. Our RF, microwave and millimeter wave products maintain a 99% availability and are part of the broadest selection in the industry.

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 SMA Male Adapter PE91178](#)

URL: <http://www.pasternack.com/n-female-sma-male-straight-adapter-pe91178-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.

PE91178 CAD Drawing  
Low PIM N Female to SMA Male Adapter



DWG TITLE

PE91178

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].

FSCM NO. 53919

CAD FILE 071614

SCALE N/A

SIZE A

2233

**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