



## SMA Female to N Female Adapter With Knurl

### TECHNICAL DATA SHEET

PE9083

#### Configuration

|                           |              |
|---------------------------|--------------|
| Connector 1               | SMA Female   |
| Impedance 1               | 50 Ohms      |
| Connector Specification 1 | MIL-STD-348A |
| Connector 2               | N Female     |
| Impedance 2               | 50 Ohms      |
| Connector Specification 2 | MIL-STD-348A |
| Adapter Design            | Standard     |
| Body Style                | Straight     |

#### Electrical Specifications

|                                  |          |
|----------------------------------|----------|
| Frequency Range, GHz             | DC to 11 |
| Maximum VSWR                     | 1.3:1    |
| Maximum Operating Voltage, Volts | 500      |

#### Mechanical Specifications

##### Temperature

|                        |             |
|------------------------|-------------|
| Operating Range, deg C | -65 to +165 |
|------------------------|-------------|

##### Size

|                     |               |
|---------------------|---------------|
| Length, in [mm]     | 1.232 [31.29] |
| Width/Dia., in [mm] | 0.669 [16.99] |

#### Connector 1

|                                       |                        |
|---------------------------------------|------------------------|
| Type                                  | SMA Female             |
| Inner Conductor Material and Plating  | Beryllium Copper, Gold |
| Inner Conductor Plating Specification | 50µ in. minimum        |
| Body Material and Plating             | Brass, Nickel          |
| Body Plating Specification            | 100µ in. minimum       |
| Dielectric Type                       | Teflon                 |

#### Connector 2

|                                       |                        |
|---------------------------------------|------------------------|
| Type                                  | N Female               |
| Inner Conductor Material and Plating  | Beryllium Copper, Gold |
| Inner Conductor Plating Specification | 50µ in. minimum        |
| Body Material and Plating             | Brass, Nickel          |
| Body Plating Specification            | 100µ in. minimum       |

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

|                 |            |
|-----------------|------------|
| RoHS Compliant  |            |
| REACH Compliant | 12/19/2011 |

Click the following link (or enter part number in "SEARCH" on website) to obtain additional part information including price, inventory and certifications: [SMA Female to N Female Adapter With Knurl PE9083](#)

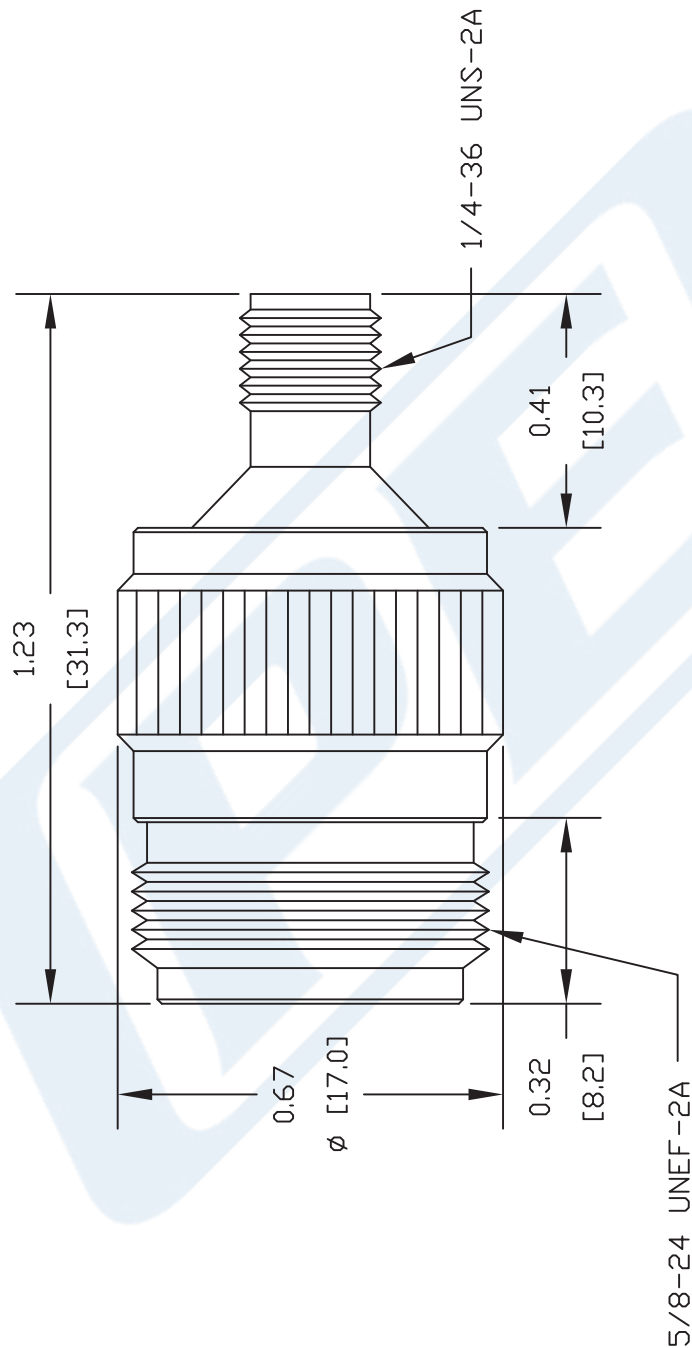
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Notes:

- 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.

PE9083 CAD Drawing  
SMA Female to N Female Adapter With Knurl



DWG TITLE

**PE9083**

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].

REV. A

FSCM NO. 53919

CAD FILE 080211

SCALE N/A

SIZE A

2231

**PE PASTERNAK®**

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