



## Bulkhead Mount SMA Female to N Female Adapter

### RF Adapters Technical Data Sheet

PE9408

#### Configuration

- SMA Female Connector 1
- N Female Connector 2
- 50 Ohm
- Straight Body Geometry
- Bulkhead Mount Method

#### Features

- Max VSWR of 1.25:1 up to 6 GHz
- SMA interface compliant with MIL-STD-348
- Type N interface compliant with MIL-STD-348
- Contact plating according to MIL-G-45204
- Max VSWR of 1.25:1 up to 6 GHz
- SMA Interface compliant with MIL-STD-348
- N Interface compliant with MIL-STD-348
- Gold Plated Contact
- Contact Plating per MIL-G-45204

#### Applications

- Allows Connection Between Series
- Rack Mounted Equipment
- General Purpose Test
- Allows Connection Between Series
- Rack Mounted Equipment

#### Description

Pasternack's PE9408 bulkhead SMA female to type N female adapter is part of our full line of RF components available for same-day shipping. The SMA connector mates mechanically with commercially available 3.5mm and 2.92mm (K) connectors. Our SMA to type N adapter has a female to female gender configuration. PE9408 SMA female to type N female adapter operates to 6 GHz. The Pasternack RF adapter provides excellent VSWR of 1.25:1 maximum. This RF SMA bulkhead to type N adapter allows designers to create external connections on their product enclosures, and can be used in a variety of other rack mount and panel mount applications.

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			1.25:1	

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

#### Mechanical Specifications

Size	
Length	1.59 in [40.39 mm]
Width	0.625 in [15.88 mm]

Click the following link (or enter part number in "SEARCH" on website) to obtain additional part information including price, inventory and certifications: [Bulkhead Mount SMA Female to N Female Adapter PE9408](#)



Bulkhead Mount SMA Female to N Female Adapter

RF Adapters Technical Data Sheet

PE9408

Weight 0.073 lbs [33.11 g]

Description	Connector 1	Connector 2
Type	SMA Female	N Female
Polarity	Standard	Standard
Interface Specification	MIL-STD-348	MIL-STD-348

**Material Specifications**

Description	Connector 1		Connector 2	
	Material	Plating	Material	Plating
Type	SMA Female		N Female	
Contact		Gold MIL-G-45204		Gold MIL-G-45204
Insulation	PTFE		PTFE	
Outer Conductor	Brass	Nickel QQ-N-290	Brass	Nickel QQ-N-290

**Environmental Specifications**

**Temperature**

Operating Range -65 to +165 °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: [Bulkhead Mount SMA Female to N Female Adapter PE9408](#)



## Bulkhead Mount SMA Female to N Female Adapter

### RF Adapters Technical Data Sheet

PE9408

Bulkhead Mount SMA Female to N Female 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: [Bulkhead Mount SMA Female to N Female Adapter PE9408](https://www.pasternack.com/sma-female-n-female-straight-adapter-pe9408-p.aspx)

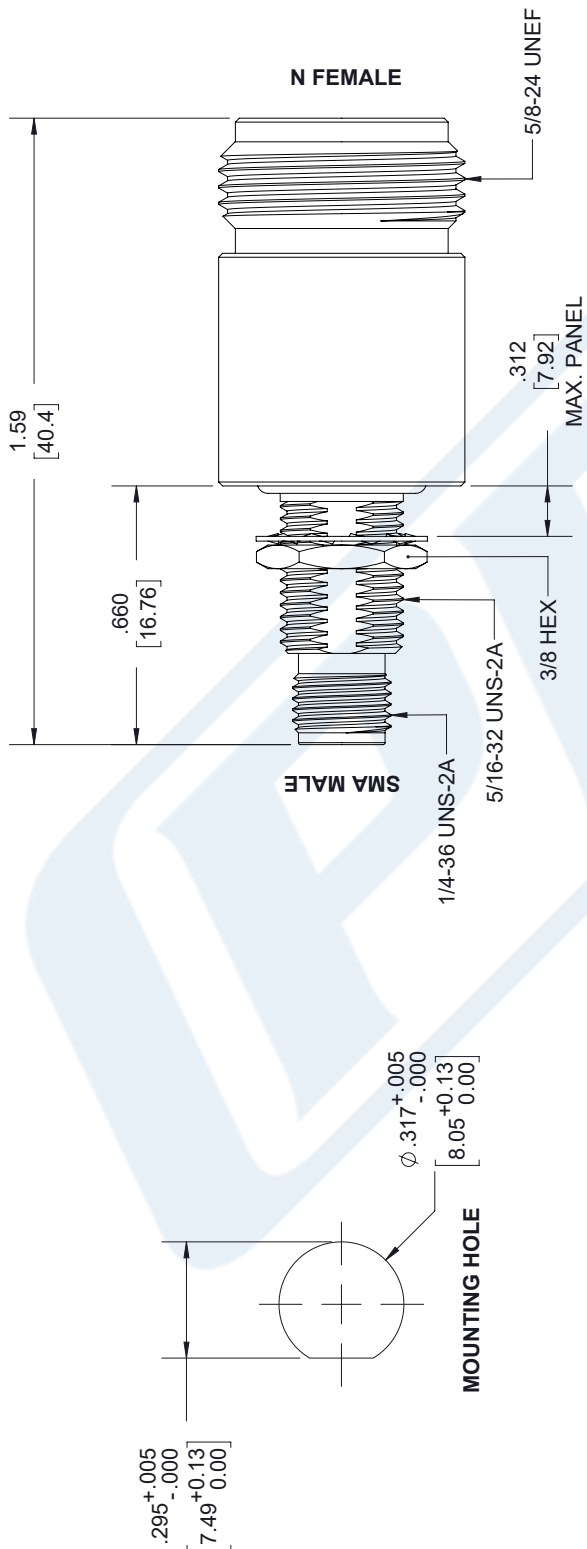
URL: <https://www.pasternack.com/sma-female-n-female-straight-adapter-pe9408-p.aspx>

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.

# PE9408 CAD Drawing

## Bulkhead Mount SMA Female to N Female Adapter

REVISIONS			
REV.	DESCRIPTION	DATE	APPROVED
A	PCR PE9408	3/16/2020	S. ELLIS



UNLESS OTHERWISE SPECIFIED LEADING DIMENSIONS ARE INCHES DIMENSIONS IN [ ] ARE MILLIMETERS

TOLERANCES:

.X = ±.2	[5.08]	FRACTIONS
.XX = ±.02	[.51]	± 1/32
.XXX = ±.005	[.13]	ANGLES ± 1°

CABLE LENGTH (L) TOLERANCES:

L ≤ 12	[305]	= +1 [25] / -0
12 [305] < L ≤ 60	[1524]	= +2 [51] / -0
60 [1524] < L ≤ 120	[3048]	= +4 [102] / -0
120 [3048] < L ≤ 300	[7620]	= +6 [152] / -0
300 [7620] < L ≤ ∞		= +5% / L / -0

ALL DIMENSIONS SHOWN ARE FOR REFERENCE ONLY.

**PE PASTERNAK**  
an INFINIT brand

Pasternack Enterprises, Inc.  
P. O. Box 16759, Irvine, CA 92623.  
Phone: 1.949.261.1920 | 1.866.727.8376  
Fax: 1.949.261.7451  
Website: www.pasternack.com  
E-mail: sales@pasternack.com

THIRD-ANGLE PROJECTION

THE INFORMATION AND DESIGN IN THIS DOCUMENT IS THE PROPERTY OF PASTERNAK CORPORATION. ALL RIGHTS RESERVED.

SHEET 1 OF 1

SCALE N/A

REV A

THESE COMMODITIES, TECHNOLOGY OR SOFTWARE WERE EXPORTED FROM THE UNITED STATES IN ACCORDANCE WITH THE EXPORT ADMINISTRATION REGULATIONS. DIVERSION CONTRARY TO U.S. LAW PROHIBITED.