



## Bulkhead Hermetically Sealed 75 Ohm N Female to N Female Adapter

### TECHNICAL DATA SHEET

PE9416

#### Bulkhead Hermetically Sealed 75 Ohm N Female to N Female Adapter

##### Configuration

Connector 1	N Female
Impedance 1	75 Ohms
Connector Specification 1	MIL-STD-348A
Connector 2	N Female
Impedance 2	75 Ohms
Connector Specification 2	MIL-STD-348A
Adapter Design	Standard
Body Style	Straight
Mount Method	Bulkhead
Isolated Ground / Hermetic	Hermetically Sealed

##### Electrical Specifications

Frequency Range, GHz	DC to 11
Maximum Operating Voltage, Volts	500
Dielectric Withstanding Voltage, Vrms	2,500

##### Frequency 1

Frequency, GHz	DC to 2
VSWR	1.35:1

##### Mechanical Specifications

###### Temperature

Operating Range, deg C	-65 to +165
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###### Size

Length, in [mm]	1.54 [39.12]
Width/Dia., in [mm]	0.87 [22.1]

##### Connector 1

Type	N Female
Inner Conductor Material and Plating	Brass, Gold
Inner Conductor Plating Specification	30µ 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	Brass, Gold
Inner Conductor Plating Specification	30µ in. minimum
Body Material and Plating	Brass, Nickel

Click the following link (or enter part number in "SEARCH" on website) to obtain additional part information including price, inventory and certifications: [Bulkhead Hermetically Sealed 75 Ohm N Female to N Female Adapter PE9416](#)

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.



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Body Plating Specification  
Dielectric Type

100μ in. minimum  
Teflon

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

RoHS Compliant

Yes

**Plotted and Other Data**

Notes:

Values at 25 °C, sea level

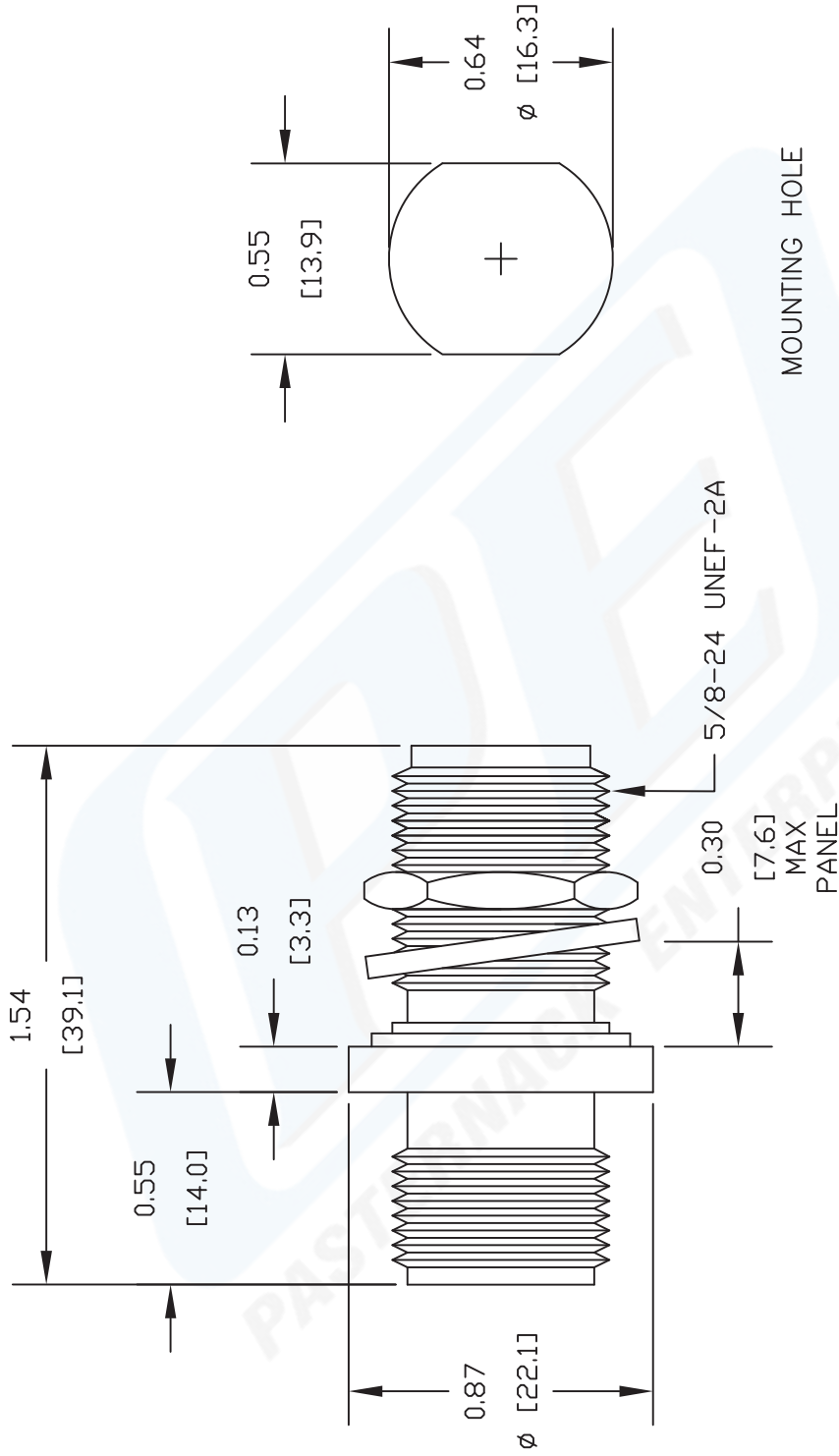
URL: <http://www.pasternack.com/n-female-n-female-straight-adapter-pe9416-p.aspx>

Bulkhead Hermetically Sealed 75 Ohm N Female to N Female Adapter from Pasternack Enterprises has same day shipment for domestic and International orders. Our RF, microwave and fiber optic products maintain a 99% availability and are part of the broadest selection in the industry.

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# PE9416 CAD Drawing

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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  
**PE9416**

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**COAXIAL & FIBER OPTICS**



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SIZE A

SCALE N/A

CAD FILE 102903

FSCM NO. 53919

REV. -