



Hermetically Sealed N Female to N Female Bulkhead Mount Adapter, 11GHz VSWR1.2, MIL-STD-348B

RF Adapters Technical Data Sheet

PE1348

Configuration

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

Features

- Max VSWR of 1.2:1 up to 11 GHz
- Hermetically Sealed
- Type N interface compliant with MIL-STD-348B
- Gold Plated Beryllium Copper Contact

Applications

- General Purpose Test
- Vacuum Test Environment
- Rack Mounted Equipment

Description

Pasternack's PE1348 hermetically sealed type N female to type N female bulkhead 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. PE1348 type N female to type N female adapter operates to 11 GHz. The Pasternack RF adapter provides excellent VSWR of 1.2:1 maximum. This RF type N to type N bulkhead 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. This hermetic type N to type N adapter prevents the leakage of gases, making it suitable for high pressure or vacuum applications or whenever an airtight seal is required.

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		11	GHz
VSWR			1.2:1	
Insertion Loss			0.16	dB
Operating Voltage (AC)			1,000	Vrms
Dielectric Withstanding Voltage (AC)			2,500	Vrms
Insulation Resistance	5,000			MOhms

Mechanical Specifications

Size

Length 1.50 in [38.10 mm]

Click the following link (or enter part number in "SEARCH" on website) to obtain additional part information including price, inventory and certifications: [Hermetically Sealed N Female to N Female Bulkhead Mount Adapter, 11GHz VSWR1.2, MIL-STD-348B PE1348](#)



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Width	0.83 in [21.08 mm]
Height	0.83 in [21.08 mm]
Weight	0.06 lbs [27.22 g]

Description	Connector 1	Connector 2
Type	N Female	N Female
Polarity	Standard	Standard
Interface Specification	MIL-STD-348B	MIL-STD-348B
Connector Option	Hermetically Sealed	Hermetically Sealed
Mating Cycles, Min	500	500
Mating Torque	6 to 10 in-lbs [0.68 to 1.13 Nm]	6 to 10 in-lbs 0.68 to 1.13 Nm
Contact Captivation Axial Force, Min	6.3 lbs [2.86 kg]	6.3 lbs [2.86 kg]
Coupling Proof Torque	15 in-lbs [1.7 Nm]	15 in-lbs [1.7 Nm]

Material Specifications

Description	Connector 1		Connector 2	
	Material	Plating	Material	Plating
Type	N Female		N Female	
Contact	Beryllium Copper	Gold	Beryllium Copper	Gold
Insulation	PEI		PEI	
Outer Conductor	Brass	Tri-Metal	Brass	Tri-Metal
Body	Brass	Tri-Metal	Brass	Tri-Metal

Environmental Specifications

Temperature

Operating Range -65 to +165 °C

Humidity

MIL-STD-202, Method 206

Thermal Shock

MIL-STD-202, Method 107, Condition B

Salt Spray

MIL-STD-202, Method 101, Condition B

Hermetic Seal

1*10⁻⁸ cc/sec of HELIUM at 1 ATM

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

Plotted and Other Data

Notes:

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Hermetically Sealed N Female to N Female Bulkhead Mount Adapter, 11GHz VSWR1.2, MIL-STD-348B 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: [Hermetically Sealed N Female to N Female Bulkhead Mount Adapter, 11GHz VSWR1.2, MIL-STD-348B PE1348](https://www.pasternack.com/hermetically-sealed-n-female-to-n-female-bulkhead-mount-adapter-11ghz-vswr1.2-mil-std-348b-pe1348)

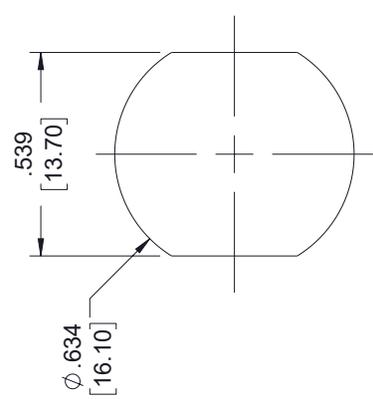
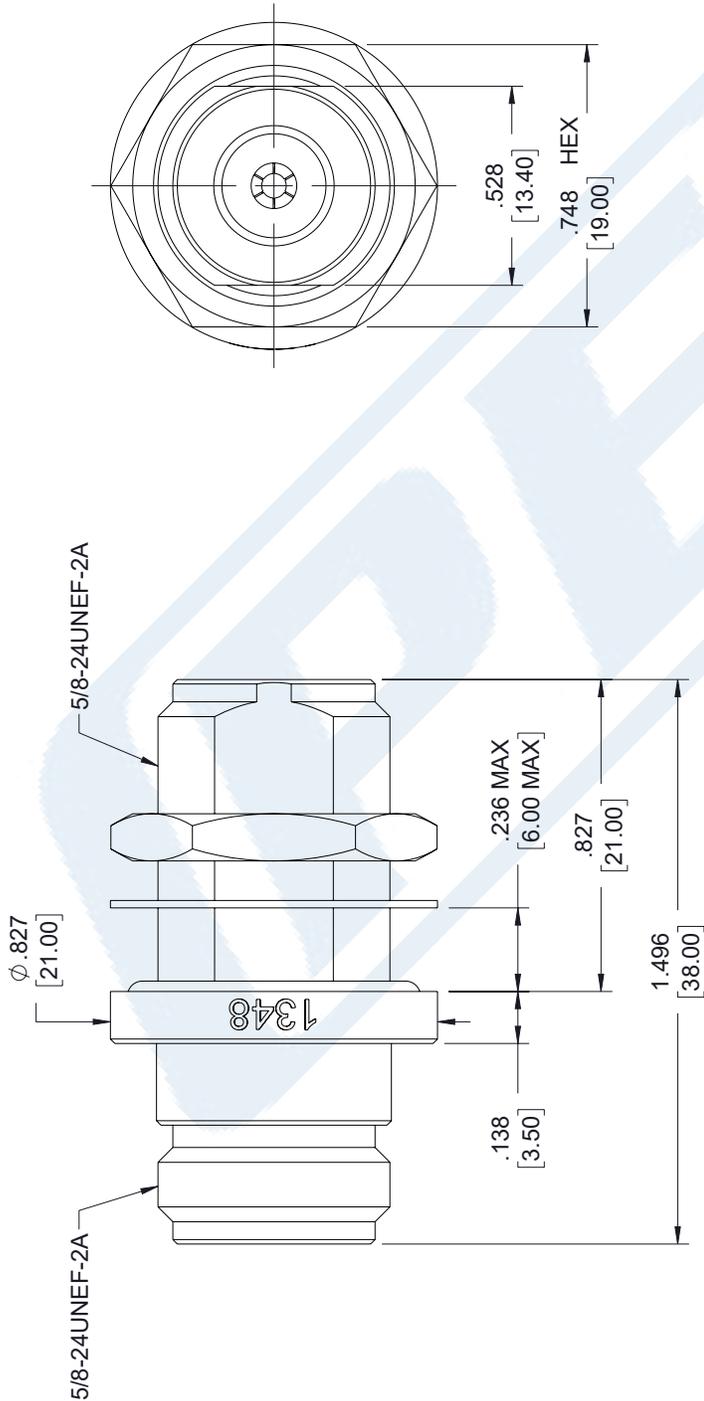
URL: <https://www.pasternack.com/hermetically-sealed-n-female-to-n-female-bulkhead-mount-adapter-11ghz-vswr1.2-mil-std-348b-pe1348-p.aspx>

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.

PE1348 CAD Drawing

Hermetically Sealed N Female to N Female Bulkhead Mount Adapter, 11GHz VSWR1.2, MIL-STD-348B

REVISIONS		
REV.	DESCRIPTION	DATE
A	INITIAL RELEASE	12/12/2022
		APPROVED
		AGANWANI



MOUNTING HOLE

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

TOLERANCES:

X = ± .2 [5.08] | FRACTIONS ± 1/32 | ANGLES ± 1°

.XX = ± .02 [.51] | .XXX = ± .005 [.13]

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% / -0

ALL DIMENSIONS SHOWN ARE FOR REFERENCE ONLY.

THIRD-ANGLE PROJECTION

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SHEET 1 OF 1

SCALE N/A

REV A

ITEM NO. PE1348

SIZE A

CAGE CODE 53919

DRAWN BY HBAKKE

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