



Hermetically Sealed 10KV Female to 10KV Female Bulkhead Mount Adapter

RF Adapters Technical Data Sheet

PE45840

Configuration

- 10KV Female Connector 1
- 10KV Female Connector 2
- Straight Body Geometry
- Bulkhead Mount Method

Features

- Hermetically Sealed
- 10KV interface compliant with MIL-STD-202
- High Density PE Insulator

Applications

- General Purpose Test
- Rack Mounted Equipment
- High Voltage Pulsed RF Transmission
- Vacuum Test Environment

Description

Pasternack's PE45840 hermetically sealed 10KV female to 10KV female bulkhead adapter is part of our full line of RF components available for same-day shipping. Our 10KV to 10KV adapter has a female to female gender configuration. This RF 10KV to 10KV 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 10KV to 10KV 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
Operating Voltage (AC)			10,000	Vrms
Inner Conductor DC Resistance			3	mOhms
Outer Conductor DC Resistance			2	mOhms
Insulation Resistance	1,000			MOhms

Mechanical Specifications

Size

Length	3.2 in [81.28 mm]
Width	0.75 in [19.05 mm]
Height	0.75 in [19.05 mm]
Weight	0.025 lbs [11.34 g]

Click the following link (or enter part number in "SEARCH" on website) to obtain additional part information including price, inventory and certifications: [Hermetically Sealed 10KV Female to 10KV Female Bulkhead Mount Adapter PE45840](#)



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Description	Connector 1	Connector 2
Type	10KV Female	10KV Female
Polarity	Standard	Standard
Interface Specification	MIL-STD-202	
Connector Option	Hermetically Sealed	

Material Specifications

Description	Connector 1		Connector 2	
	Material	Plating	Material	Plating
Type	10KV Female		10KV Female	
Contact	Brass	Gold over nickel over copper		
Body	Brass	Tinned Copper		
Washer			Brass	Tinned Copper
Coupling Nut	Brass	Tinned Copper		

Environmental Specifications

Temperature

Operating Range -55 to +85 °C

Salt Spray

MIL-STD-202, Method 101, Condition B

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

Plotted and Other Data

Notes:

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Hermetically Sealed 10KV Female to 10KV Female Bulkhead Mount 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: [Hermetically Sealed 10KV Female to 10KV Female Bulkhead Mount Adapter PE45840](https://www.pasternack.com/hermetically-sealed-10kv-female-to-10kv-female-bulkhead-mount-adapter-pe45840-p.aspx)

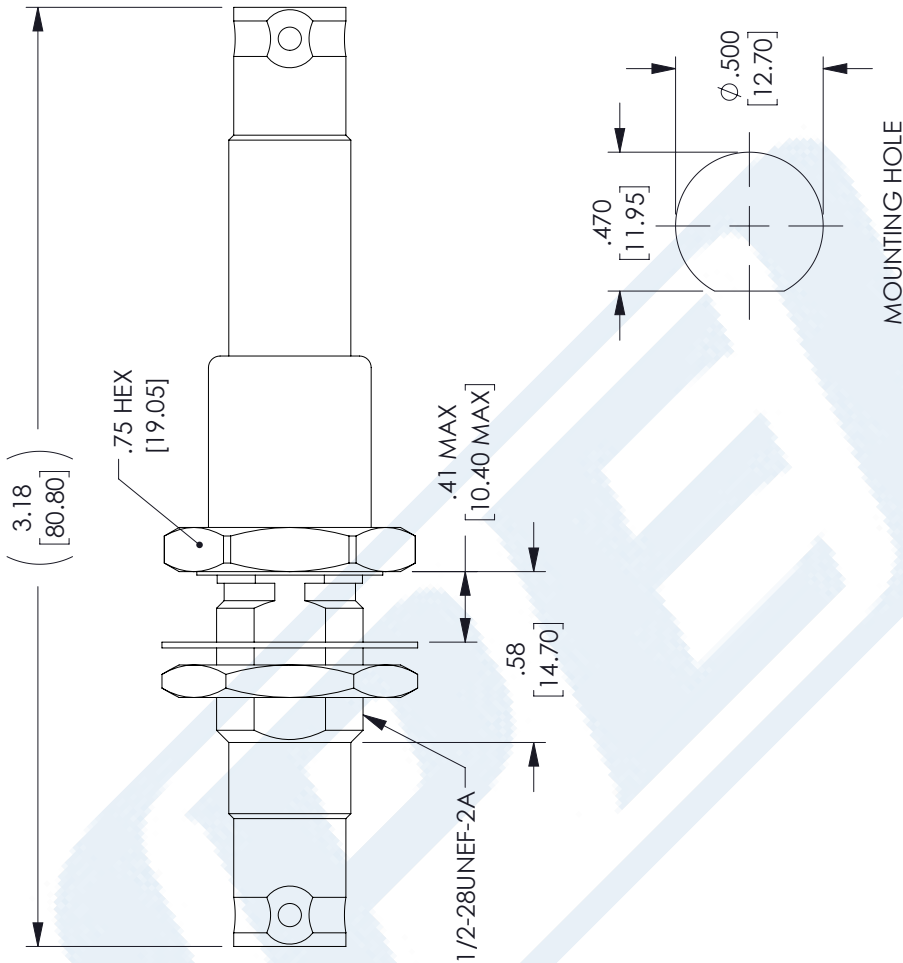
URL: <https://www.pasternack.com/hermetically-sealed-10kv-female-to-10kv-female-bulkhead-mount-adapter-pe45840-p.aspx>

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.

PE45840 CAD Drawing

Hermetically Sealed 10KV Female to 10KV Female Bulkhead Mount Adapter

REVISIONS			
REV.	DESCRIPTION	DATE	APPROVED
A	INITIAL RELEASE	9/20/2022	VJWATODE



THIRD-ANGLE PROJECTION

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SHEET 1 OF 1

SCALE N/A

REV A

PE PASTERNAK
an INFINITE brand

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

TOLERANCES:

.X = ± .2	[.08]	FRACTIONS
.XX = ± .02	[.51]	± 1/32
.XXX = ± .005	[.13]	ANGLES ± 1°

CABLE LENGTH (L) TOLERANCES:

L ≤ 12 [305]	± .125 [3.18]
12 [305] < L ≤ 60 [1524]	± .25 [6.35]
60 [1524] < L ≤ 120 [3048]	± .50 [12.70]
120 [3048] < L ≤ 300 [7620]	± 1.00 [25.40]
300 [7620] < L	± 5% [127.00]

ALL DIMENSIONS SHOWN ARE FOR REFERENCE ONLY.

NOTES:
1. HERMITICITY 1X10⁻⁶ cc/sec AT 1 ATM.

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