

Hermetically Sealed 10KV Female to 10KV Female Bulkhead Adapter

Hermetically sealed 10KV female to 10KV female bulkhead adapter part number FMCN45840 from Fairview Microwave is in-stock and ships same day. This Fairview 10KV to 10KV adapter has a female to female gender configuration. FMCN45840 10KV female to 10KV female adapter. Our 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. The Fairview Microwave 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 can be used to enable connections between two connector types that would otherwise not mate. Certain RF adapter configurations can also be used to protect connectors on expensive equipment where the number of connect and 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. Fairview Microwave 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	Min	Typ	Max	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	3.200 in [81.3 mm]
Width	0.75 in [19.05 mm]
Height	0.75 in [19.05 mm]
Weight	0.025 lbs [11.34 g]

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



Configuration:

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

Features:

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

Applications:

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

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Material Specifications

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

Environmental Specifications

Temperature

Operating Range
Salt Spray

-55 to +85 deg C
MIL-STD-202, Method 101, Condiiton B

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

Plotted and Other Data

Notes:

Hermetically Sealed 10KV Female to 10KV Female Bulkhead Adapter from Fairview Microwave is in-stock and available to ship same-day. All of our RF/microwave products are available off-the-shelf from our ISO 9001:2008 certified facilities in Lewisville, Texas. Fairview Microwave is RF on-demand.

For additional information on this product, please click the following link: [Hermetically Sealed 10KV Female to 10KV Female Bulkhead Adapter FMCN45840](#)

URL: <https://www.fairviewmicrowave.com/hermetically-sealed-10kv-female-to-10kv-female-bulkhead-adapter-fmcn45840-p.aspx>

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