

## Precision N Male to N Female Bulkhead Adapter

Type N male to type N female bulkhead adapter part number FMAD1694 from Fairview Microwave is in-stock and ships same day. This Fairview type N to type N adapter has a male to female gender configuration in a precision design. FMAD1694 type N male to type N female adapter operates to 11 GHz. The Fairview Microwave RF adapter provides good VSWR of 1.3:1 maximum. Our 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.

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
Frequency Range	DC		11	GHz
VSWR			1.3:1	
Operating Voltage (DC)			500	Vdc

### Mechanical Specifications

Size	
Length	1.73 in [43.94 mm]
Width	0.87 in [22.10 mm]
Height	0.87 in [22.10 mm]
Weight	0.10 lbs [45.36 g]

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



### Configuration:

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

### Features:

- VSWR of 1.3:1 max up to 11 GHz
- Type N interface meets MIL-STD-348A
- Plated Beryllium Copper Contact

### Applications:

- General Purpose Test
- Rack Mounted Equipment
- Precision Test & Measurement

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**Material Specifications**

Description	Connector 1	Connector 2
Type	N Male	N Female
Contact Material	Beryllium Copper	Beryllium Copper
Contact Plating Spec.	Silver 200µ in	Silver 200µ in
Insulation Material	PTFE	PTFE
Outer Contact Material		Brass
Outer Contact Plating		Nickel
Outer Conductor Contact Spec.		Nickel 100µ in
Body Material	Brass	Brass
Body Plating	Nickel	Nickel
Body Plating Spec.	Nickel 100µ in	Nickel 100µ in
Gasket Material	Silicone	Silicone
Washer Material	Brass	Brass
Washer Plating	Nickel	
Coupling Nut Material	Brass	
Coupling Nut Plating	Nickel	
Coupling Nut Plating Spec.	Nickel 100µ in	

**Environmental Specifications**
**Temperature**

Operating Range -65 to +165 deg C

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

**Plotted and Other Data**

Notes:

Precision N Male to N 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: [Precision N Male to N Female Bulkhead Adapter FMAD1694](#)

URL: <https://www.fairviewmicrowave.com/precision-n-male-to-n-female-bulkhead-adapter-fmad1694-p.aspx>

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