

**N Bias Tee From 10 MHz to 4.2 GHz Rated To 1000 mA And 72 Volts DC**

**Electrical Specifications\***

| Description     | Min    | Typ | Max     | Units |
|-----------------|--------|-----|---------|-------|
| Frequency Range | 10 MHz |     | 4.2 GHz |       |
| RF Port VSWR    |        |     | 1.25:1  |       |
| Insertion Loss  |        |     | 1.25    | dB    |
| RF Input Power  |        |     | 5       | Watts |
| DC Voltage      |        |     | 72      | Volts |
| DC Current      |        |     | 1,000   | mA    |

(Values at 25°C, sea level)

**Mechanical Specifications**

**Temperature**

Operating Range -40 to +65 deg C

**Size**

Length 2.9 in [73.66 mm]  
Width/Dia. 0.78 in [19.81 mm]  
Height 1.97 in [50.04 mm]

**Connectors**

**RF Connector**

| Description                          | Connector     |
|--------------------------------------|---------------|
| Type                                 | N Male        |
| Inner Conductor Material and Plating | Brass, Gold   |
| Coupling Nut Material and Plating    | Brass, Nickel |
| Body Material and Plating            | Brass, Nickel |

**RF/DC Connector**

| Description                          | Connector              |
|--------------------------------------|------------------------|
| Type                                 | N Female               |
| Inner Conductor Material and Plating | Beryllium Copper, Gold |
| Outer Conductor Material and Plating | Brass, Nickel          |

**DC Port**

| Description                          | Port                   |
|--------------------------------------|------------------------|
| Type                                 | N Female               |
| Inner Conductor Material and Plating | Beryllium Copper, Gold |
| Outer Conductor Material and Plating | Brass, Nickel          |

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

RoHS Compliant Yes



**Features:**

- RF Connector: N Male
- RF Connector Impedance: 50 Ohms
- DC/RF Connector: N Female
- DC/RF Connector Impedance: 50 Ohms
- DC Port: N Female

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REACH Compliant

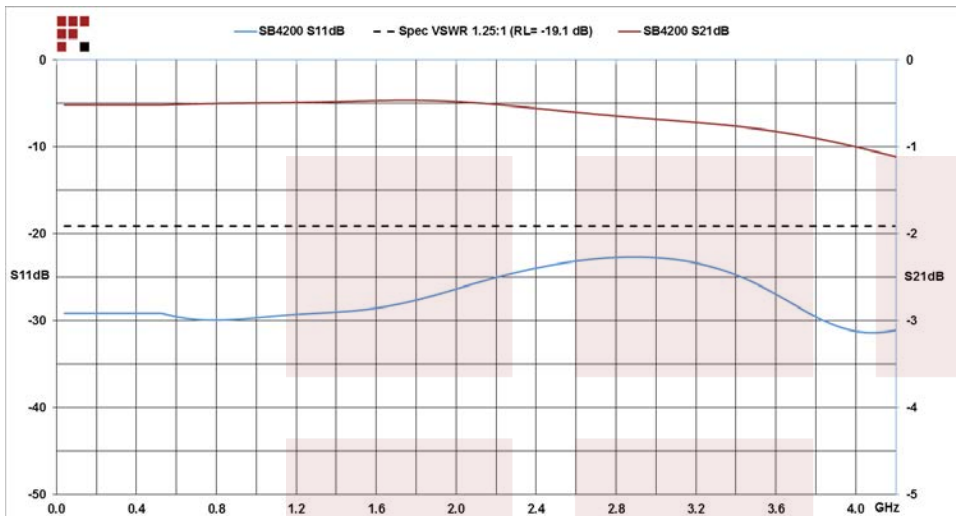
12/17/2014

## Plotted and Other Data

Notes:

- Values at 25 °C, sea level

## Typical Performance Data

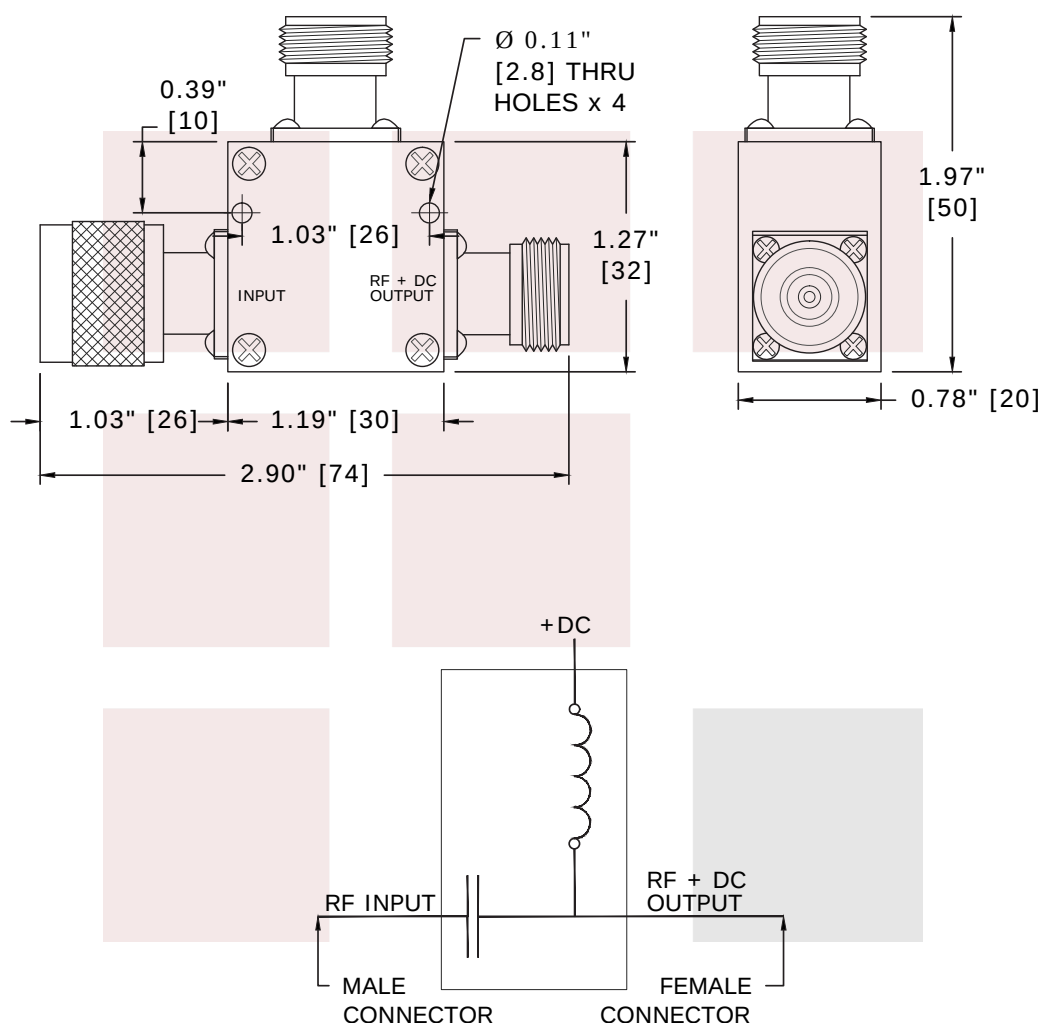


N Bias Tee From 10 MHz to 4.2 GHz Rated To 1000 mA And 72 Volts DC from Fairview Microwave is in-stock and available to ship same-day. All of our RF/microwave products are available off-the-shelf from our ISO 9001:2008 certified facilities in Allen, Texas. Fairview Microwave is RF on-demand.

For additional information on this product, please click the following link: [N Bias Tee From 10 MHz to 4.2 GHz Rated To 1000 mA And 72 Volts DC SB4200](http://www.fairviewmicrowave.com/n-bias-tee-10-mhz-4.2-ghz-1000-ma-72-volts-dc-sb4200-p.aspx)

URL: <http://www.fairviewmicrowave.com/n-bias-tee-10-mhz-4.2-ghz-1000-ma-72-volts-dc-sb4200-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. Fairview Microwave reserves the right to make such changes as required. Unless otherwise stated, all specifications are nominal. Fairview Microwave does not make any representation or warranty regarding the suitability of the part described herein for any particular purpose, and Fairview Microwave does not assume any liability arising out of the use of any part or documentation.



## FAIRVIEW MICROWAVE INC.

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### TITLE

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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 NO

SB4200

### CAGE CODE

3FKR5

### CAD FILE

011415

### SHEET

SCALE N/A

SIZE A

5568