

**1.85mm Bias Tee From 0.03 MHz to 70 GHz Rated To 500 mA And 25 Volts DC**

**Electrical Specifications\***

Description	Min	Typ	Max	Units
Frequency Range	30 KHz		70 GHz	
RF Port VSWR			2.5:1	
RF Input Power			1	Watts
DC Voltage			25	Volts
DC Current			500	mA

(Values at 25°C, sea level)

**Mechanical Specifications**

**Temperature**

Operating Range -55 to +120 deg C

**Size**

Length 1.42 in [36.07 mm]

Width/Dia. 0.6 in [15.24 mm]

Height 0.5 in [12.7 mm]

**Connectors**

**RF Connector**

Description	Connector
Type	1.85mm Female
Inner Conductor Material and Plating	Beryllium Copper, Gold
Outer Conductor Material and Plating	Passivated Stainless Steel

**RF/DC Connector**

Description	Connector
Type	1.85mm Female
Inner Conductor Material and Plating	Beryllium Copper, Gold
Outer Conductor Material and Plating	Passivated Stainless Steel

**DC Port**

Description	Port
Type	Pin Female

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

RoHS Compliant Yes

**Plotted and Other Data**

Notes:

- Values at 25 °C, sea level

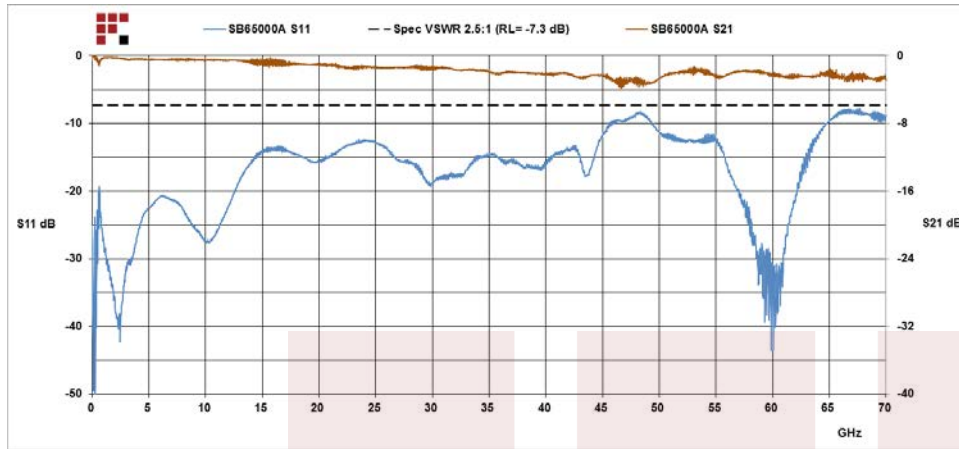


**Features:**

- RF Connector: 1.85mm Female
- RF Connector Impedance: 50 Ohms
- DC/RF Connector: 1.85mm Female
- DC/RF Connector Impedance: 50 Ohms
- DC Port: Pin Female

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**Typical Performance Data**

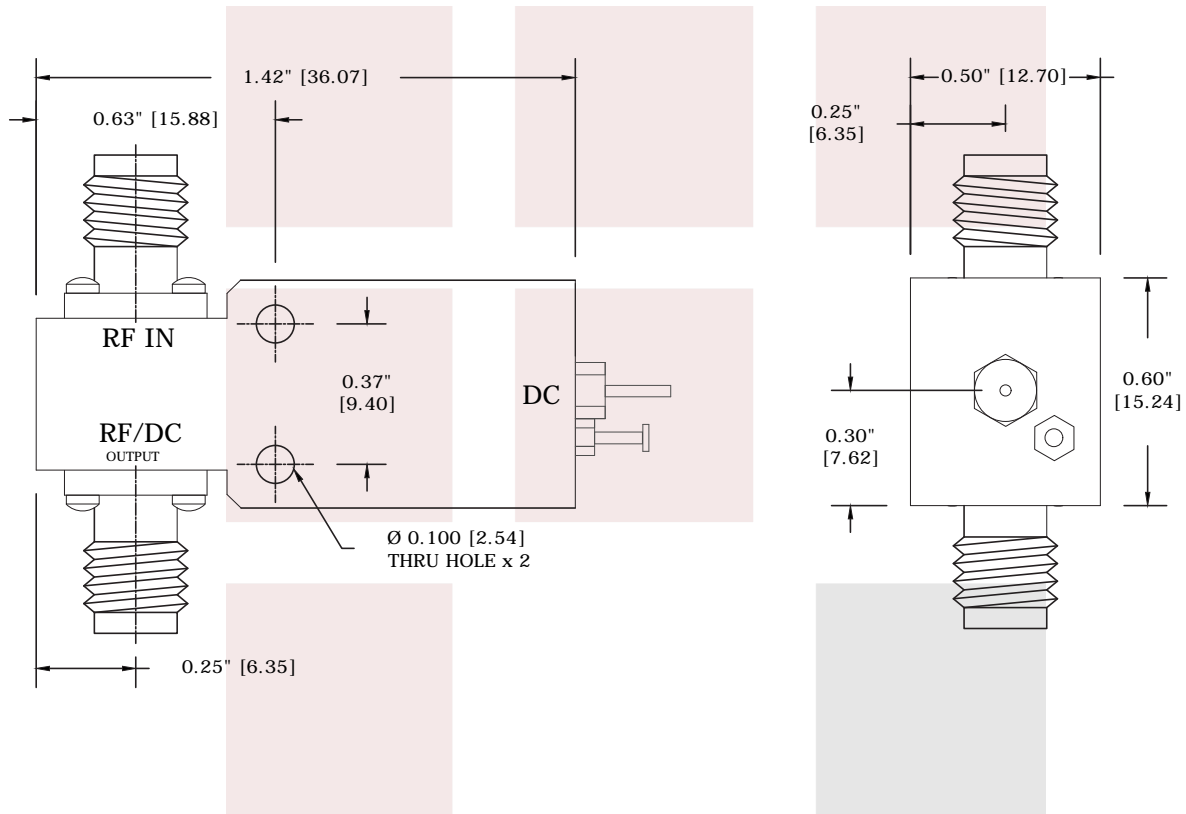


1.85mm Bias Tee From 0.03 MHz to 70 GHz Rated To 500 mA And 25 Volts DC from Fairview Microwave is in-stock and available to ship same-day. All of our RF/microwave products are available off-the-shelf from our ISO 9001:2008 certified facilities in Allen, Texas. Fairview Microwave is RF on-demand.

For additional information on this product, please click the following link: [1.85mm Bias Tee From 0.03 MHz to 70 GHz Rated To 500 mA And 25 Volts DC SB65000A](http://www.fairviewmicrowave.com/1.85mm-bias-tee-0.03-mhz-65-ghz-500-ma-25-volts-dc-sb65000a-p.aspx)

URL: <http://www.fairviewmicrowave.com/1.85mm-bias-tee-0.03-mhz-65-ghz-500-ma-25-volts-dc-sb65000a-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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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].

TITLE  
 1.85mm Bias Tee From 0.03 MHz to 70 GHz Rated To  
 500 mA And 25 Volts DC

DWG NO	SB65000A		CAGE CODE		
			3FKR5		
CAD FILE	011415	SHEET	SCALE	N/A	SIZE A
					5568