

**1.85mm Bias Tee From 0.03 MHz to 85 GHz Rated To 500 mA And 25 Volts DC**

**Electrical Specifications\***

Description	Min	Typ	Max	Units
Frequency Range	30 KHz		85 GHz	
RF Port VSWR			2:1	
Insertion Loss			4.5	dB
RF to Bias Isolation	30			dB
RF Input Power			1	Watts
DC Voltage			25	Volts
DC Current			500	mA

(Values at 25°C, sea level)

**Mechanical Specifications**

**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	SMA Female
Inner Conductor Material and Plating	Beryllium Copper, Gold
Outer Conductor Material and Plating	Passivated Stainless Steel

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

RoHS Compliant Yes



**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: SMA Female

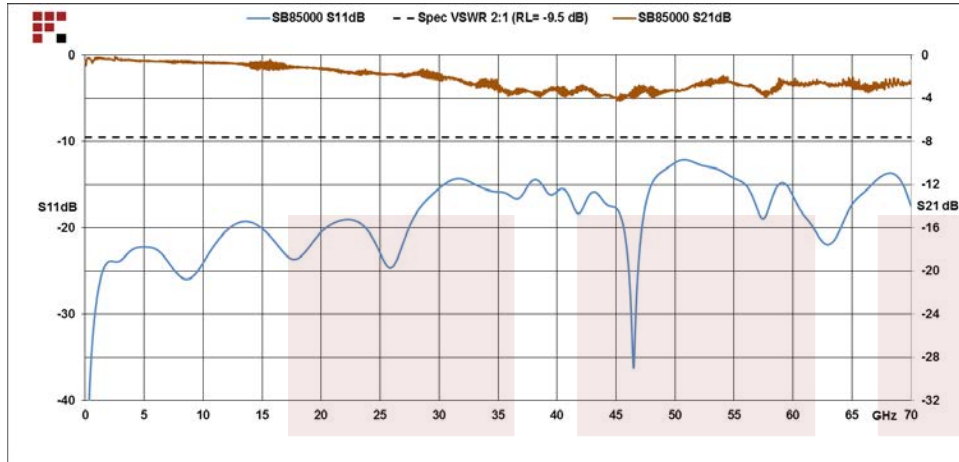
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**Plotted and Other Data**

Notes:

- Values at 25 °C, sea level

**Typical Performance Data**

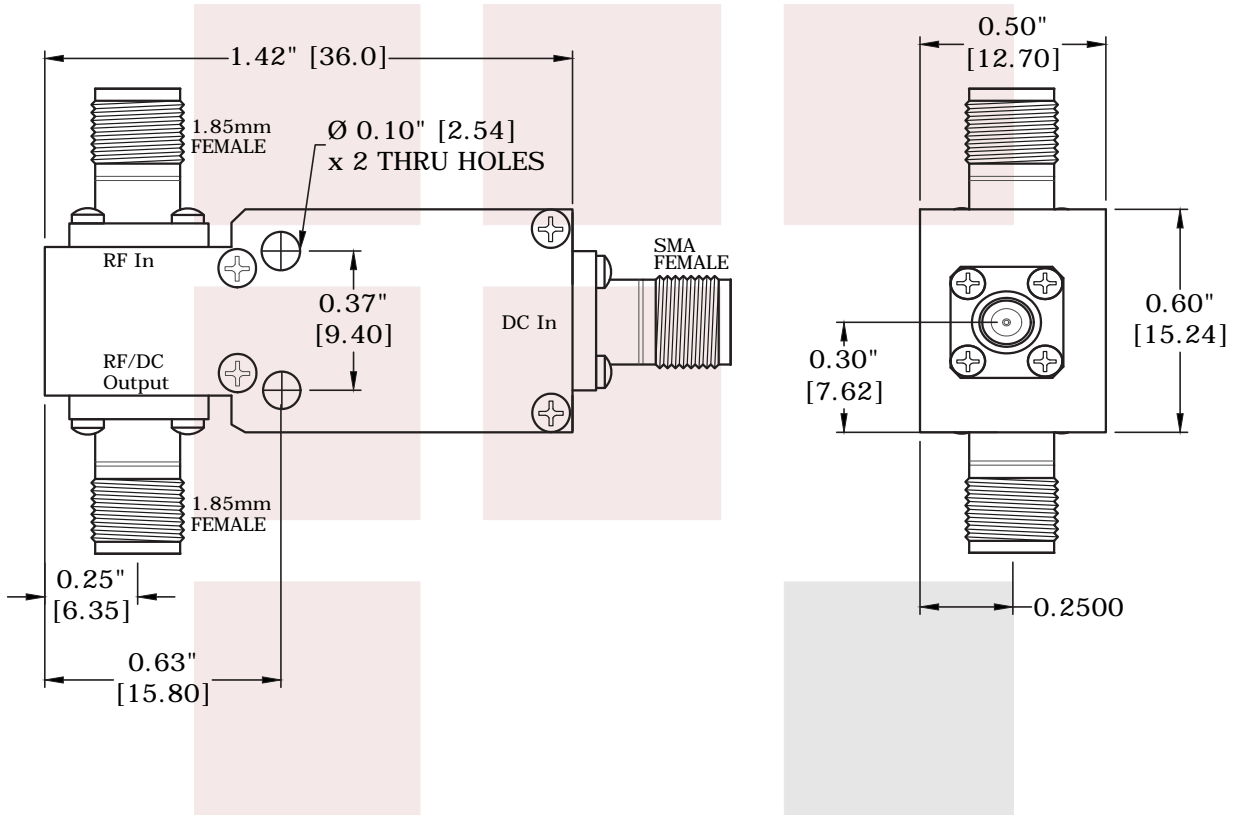


1.85mm Bias Tee From 0.03 MHz to 85 GHz Rated To 500 mA And 25 Volts DC from Fairview Microwave is in-stock and available to ship same-day. All of our RF/microwave products are available off-the-shelf from our ISO 9001:2008 certified facilities in Allen, Texas. Fairview Microwave is RF on-demand.

For additional information on this product, please click the following link: [1.85mm Bias Tee From 0.03 MHz to 85 GHz Rated To 500 mA And 25 Volts DC SB85000](http://www.fairviewmicrowave.com/1.85mm-bias-tee-0.03-mhz-85-ghz-500-ma-25-volts-dc-sb85000-p.aspx)

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TITLE 1.85mm Bias Tee From 0.03 MHz to 85 GHz Rated To 500 mA And 25 Volts DC		DWG NO <b>SB85000</b>		CAGE CODE <b>3FKR5</b>	
CAD FILE	011415	SHEET	SCALE	N/A	SIZE A 5568