

Bias Tees SMA

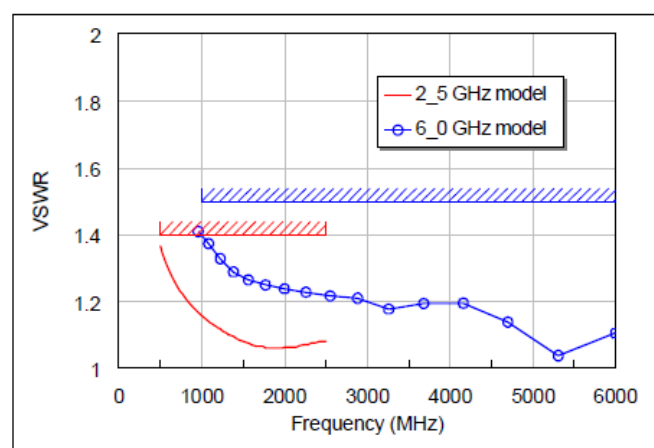
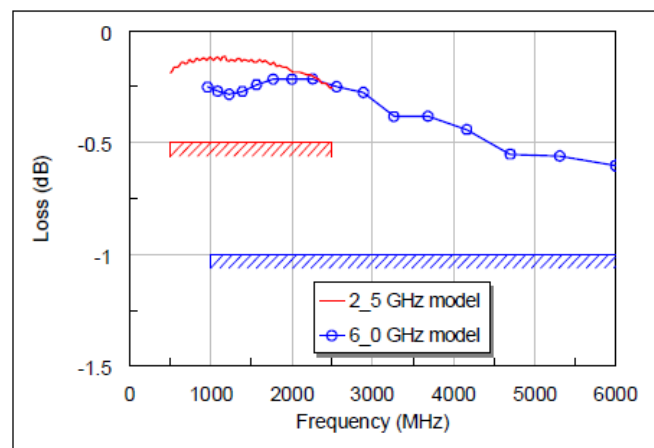
Up to 6 GHz

MODELS: 8820SMFX-YY, 8820SFFX-YY, 8820SMMX-YY, 8820SFMX-YY

Technical Specifications

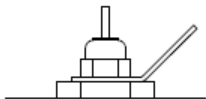
Parameter	Value
<i>Electrical</i>	
Frequency Range	
8820SXXY-02	500 MHz – 2.5 GHz
8820SXXY-06	1 – 6 GHz
Insertion Loss	
8820SXXY-02	0.50 dB max.
8820SXXY-06	1.00 dB max.
VSWR	
8820SXXY-02	1.40:1
8820SXXY-06	1.50:1
Isolation (RF to Bias Port)	> 20 dB typ.
Impedance	50 Ohms
Bias Path Resistance	0.008 Ohms typ., 0.010 Ohms max.
DC Voltage	100 VDC max.
DC Current	7 Amps max.
RF Power	50 Watts max.
Current Rating vs. Temp.	See graph
<i>Mechanical</i>	
SMA Connectors Mates with MIL-STD-348	Passivated Stainless Steel
Conductors	Gold Plated Beryllium Copper
Body	Aluminum w/ chemical conversion coating
<i>Environmental</i>	
Operating Temp. Range	-55°C to +105°C
Storage Temp. Range	-60°C to +90°C

Typical performance of
2.5 and 6.0 GHz units.

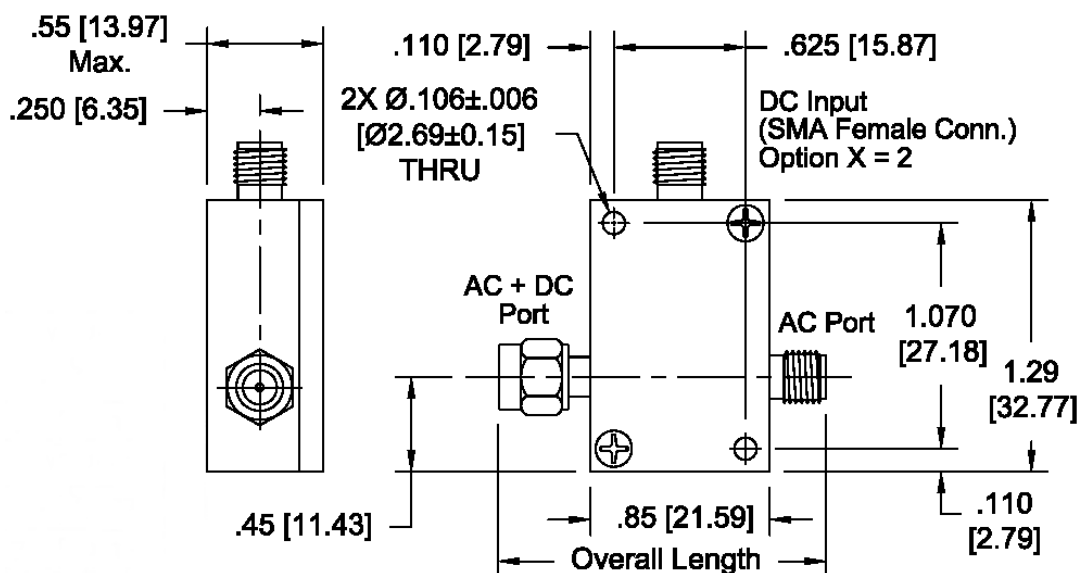


DC Input Connector Option

Solder Post, X = 1



Model Numbers	Connector Configuration Port		Overall Length Max.
	AC + DC	AC	
8820SMFX-YY	Male	Female	1.77 [44.96]
8820SFFX-YY	Female	Female	1.67 [42.42]
8820SMMX-YY	Male	Male	1.92 [48.77]
8820SFMX-YY	Female	Male	1.77 [44.96]



How To Order

Model #: **8820SZZX-YY**

Model Number

Freq. Range

02 = 500 MHz – 2.5 GHz

06 = 1 – 6 GHz

DC Connector Type

1 = Solder post

2 = SMA female conn.

Order Examples

Model number: 8820SFF2-02

500 MHz – 2.5 GHz, SMA, Fem/Fem

SMA Female DC Connector Type

Model number: 8820SMF1-06

1 – 6 GHz, SMA, Male/Fem

Solder Post DC Connector Type

For epoxy sealed units, add -440 to model number.

Additional Information

Typical performance of 2.5 GHz unit.

