

Bias Tees SMA

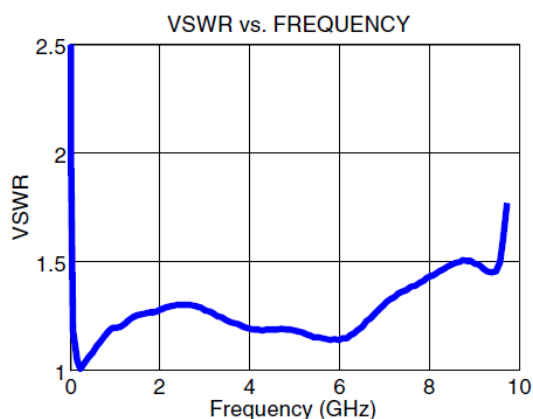
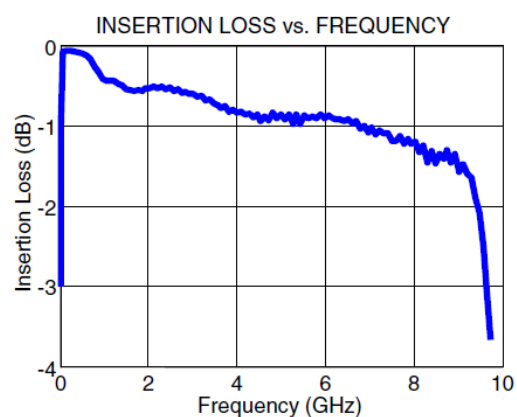
Up to 12 GHz

MODELS: 8800SMFX-YY, 8800SFFX-YY, 8800SMMX-YY, 8800SFMX-YY

Technical Specifications

Parameter	Value	
Electrical		
Frequency Range	10 MHz – 12 GHz	
Standard Freq. Values	2.5, 4, 6, 9 & 12 GHz	
Insertion Loss	Typical	Maximum
10 – 30 MHz	1.00 dB	1.25 dB
30 MHz – 2.5 GHz	0.50 dB	1.00 dB
2.5 – 6 GHz	1.00 dB	1.25 dB
6 – 9 GHz	1.50 dB	2.00 dB
9 – 12 GHz	2.00 dB	3.00 dB
VSWR		
30 MHz – 2.5 GHz	1.40:1	1.50:1
2.5 – 4 GHz	1.30:1	1.50:1
4 – 6 GHz	1.40:1	1.50:1
6 – 9 GHz	1.50:1	1.80:1
9 – 12 GHz	1.75:1	2.00:1
Isolation (RF to Bias Port)	> 30 dB typ.	
3 dB Bandwidth	5 MHz – 15 GHz	
Impedance	50 Ohms	
Bias Path Resistance	0.04 Ohms typ., 0.05 Ohms max.	
DC Voltage	100 VDC max.	
DC Current	2.5 Amps max.	
RF Power	5 Watts max.	
Current Rating vs. Temp.	See graph	
Mechanical		
SMA Connectors Mates with MIL-STD-348	Passivated Stainless Steel	
Conductors	Gold Plated Beryllium Copper	
Body	Aluminum w/ chemical conversion coating	

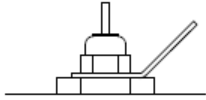
Typical performance from 5 MHz - 9 GHz



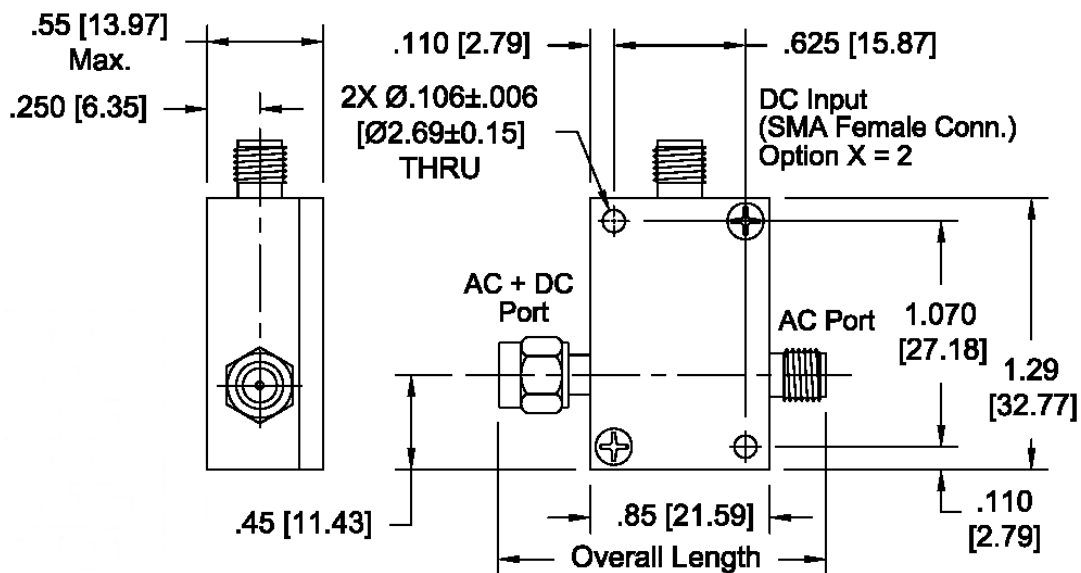
<i>Environmental</i>	
Operating Temp. Range	-55°C to +105°C
Storage Temp. Range	-60°C to +90°C

DC Input Connector Option

Solder Post, X = 1



Model Numbers	Connector Configuration Port		Overall Length Max.
	AC + DC	AC	
8800SMFX-YY	Male	Female	1.77 [44.96]
8800SFFX-YY	Female	Female	1.67 [42.42]
8800SMMX-YY	Male	Male	1.92 [48.77]
8800SFMX-YY	Female	Male	1.77 [44.96]



How To Order

Model #: **8800SZZX-YY**

Model Number

DC Connector Type

1 = Solder post

2 = SMA female conn.

Freq. Range

02 = 10 MHz – 2.5 GHz

04 = 10 MHz – 4 GHz

06 = 10 MHz – 6 GHz

09 = 10 MHz – 9 GHz

12 = 10 MHz – 12 GHz

Order Examples

Model number: 8800SFF2-02

10 MHz – 2.5 GHz, SMA, Fem/Fem

SMA Female DC Connector Type

Additional Information

Typical performance from 5 MHz – 9 MHz

