

BIAS TEES SMA

UP TO 12 GHz
100 VOLTS / 2.5 AMPS



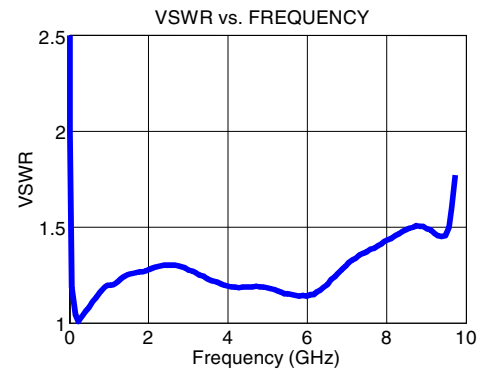
MODELS: 8800SMFX-YY, 8800SFFX-YY, 8800SMMX-YY, 8800SFMX-YY

SPECIFICATIONS:

Electrical:

Frequency Range	10 MHz – 12 GHz	
Standard Freq. Values	2.5, 4, 6, 9 & 12 GHz	
Insertion Loss	Typical	Maximum
10 MHz – 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	Typical	Maximum
30 MHz – 2.5 GHz	1.40:1	1.50:1
2.5 GHz – 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)	> 30dB Typ.	
3dB 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 Temperature	See Graph	

Typical performance from 5 MHz – 9 GHz

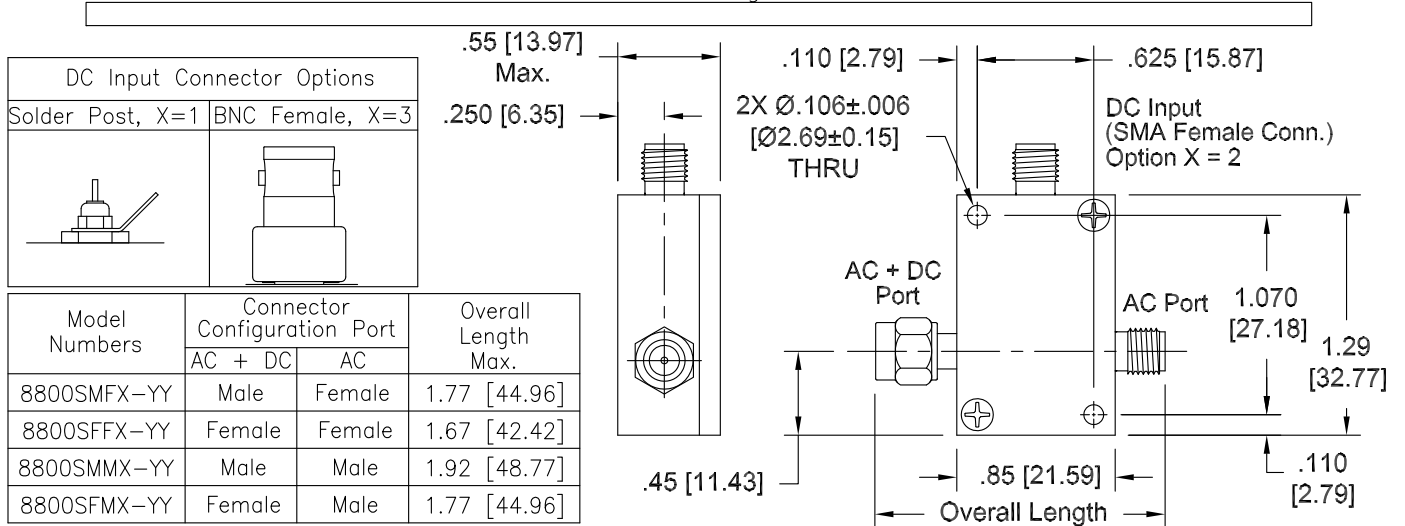


Environmental:

Operating Temperature Range -55°C to +105°C
Storage Temperature Range -60°C to +90°C

Mechanical:

SMA Connectors Passivated Stainless Steel
Mates with MIL-STD-348
BNC Connectors Nickel Plated Brass
Mates with MIL-STD-348
Conductors Gold Plated Beryllium Copper
Body Aluminum with
Chemical Conversion Coating



DC Input Connector Options	
Solder Post, X=1	BNC Female, X=3

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 Number: **8800SZZX-YY**
Base Number _____
DC Connector Type _____
1 = Solder Post; 2 = SMA Female Conn.
3 = BNC 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

Ordering Examples:
Model Number: **8800SFF2-02**
10 MHz – 2.5 GHz, SMA Fem/Fem
SMA Female DC Connector Type

Note: Dimensions in Brackets are Expressed in Millimeters and are for Reference Only.
Design specifications are subject to change without notice.
Contact factory for technical specifications before purchasing or use.

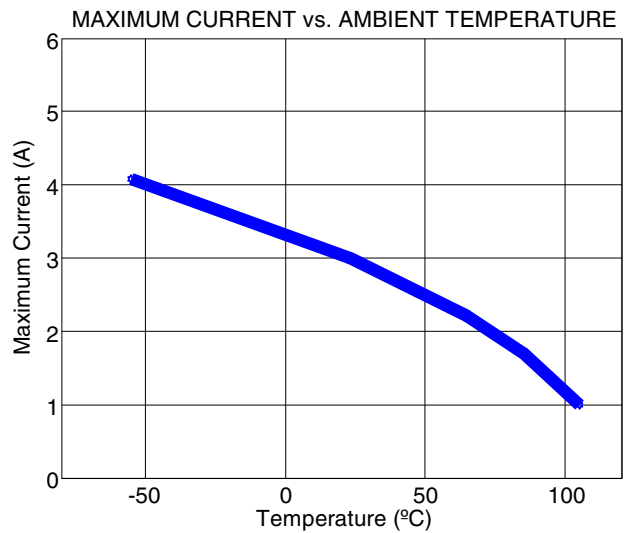
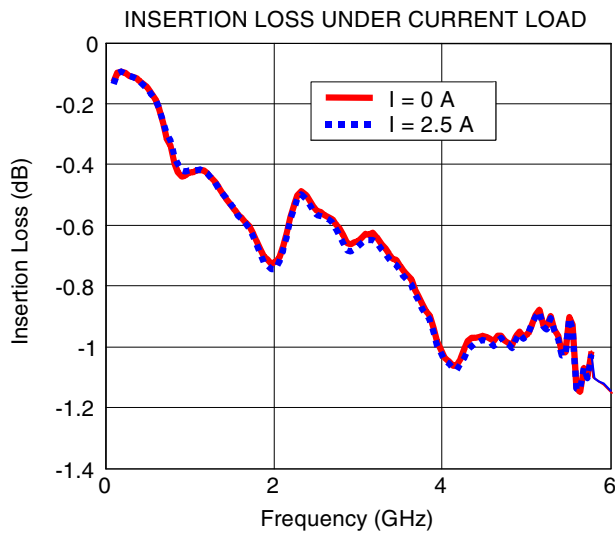
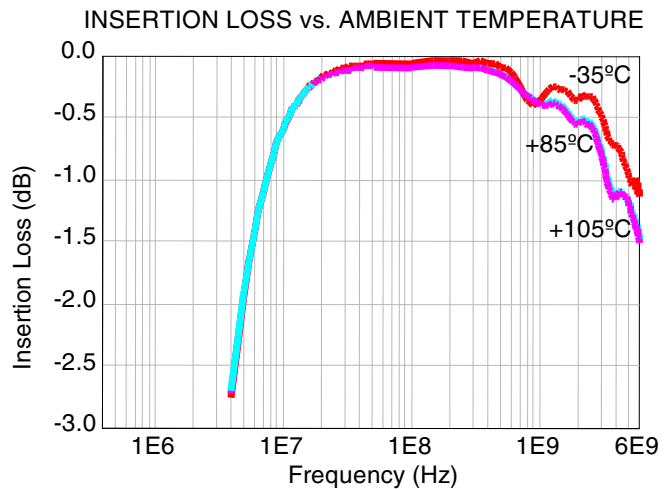
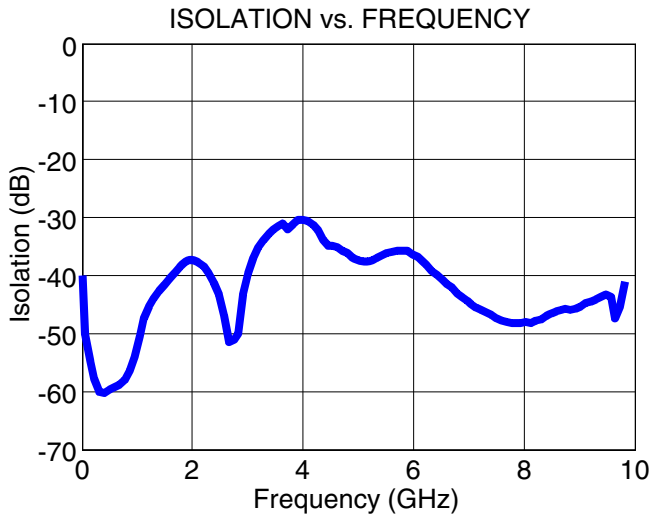
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REVISIONS

LTR	DESCRIPTION	DATE	DCN NO.
F	SEE REVISION HISTORY	2/27/07	06-00708

ADDITIONAL INFORMATION
Typical performance from 5 MHz – 9 GHz



NOTE: DIMENSIONS IN BRACKETS ARE EXPRESSED IN MILLIMETERS AND ARE FOR REFERENCE ONLY.

UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES TOLERANCES DECIMAL .XX ± .01 ANGULAR ± .XXX ± .005 DO NOT SCALE DRAWING	CONTRACT NO.			300 DINO DRIVE ANN ARBOR, MI 48103 TELEPHONE (734) 426-5553 FACSIMILE (734) 426-5557	
	CHECKED ACB	DATE 8/12/02		TITLE: OUTLINE DRAWING, BIAS TEE, SMA CONNECTORS 10 MHz – 12 GHz, 50 OHM 8800SXXZ-YY SERIES	
MATERIAL:	ENGINEERING EA	8/12/02	SIZE A		
FINISH	MANUFACTURING RB	9/6/02	SCALE FULL	RELEASE DATE	SHEET 2 OF 2
SIMILAR TO	WEIGHT (gr)	QUAL. ASSURANCE RFF	MARKETING RG		9/3/02