

BIAS TEES TYPE N

UP TO 12 GHz
100 VOLTS / 2.5 AMPS



MODELS: 8800NMFXX-YY, 8800NFFX-YY, 8800NMMX-YY, 8800NFMX-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	

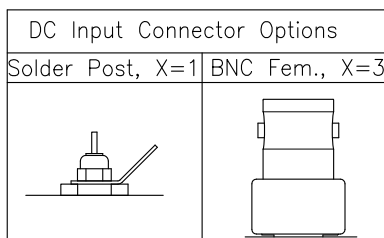
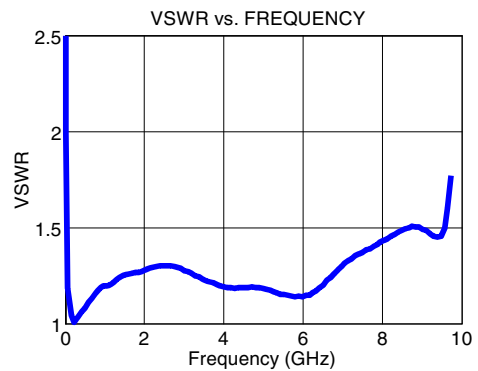
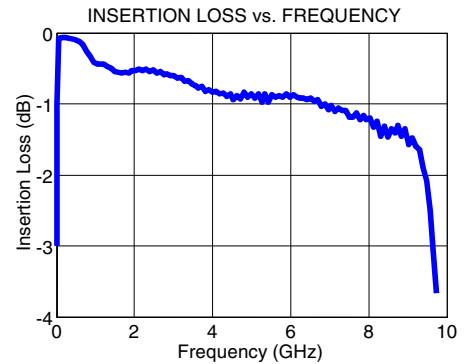
Environmental:

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

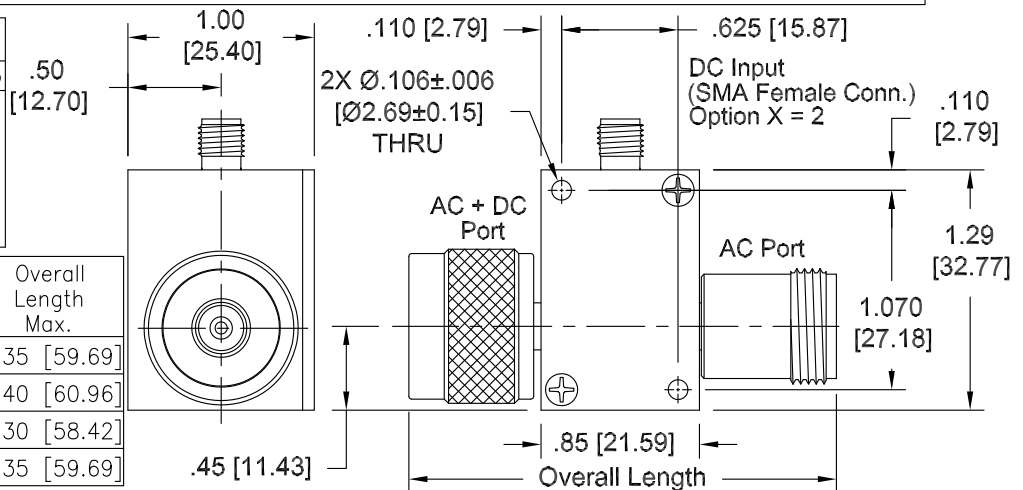
Mechanical:

Type N & 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

Typical performance from 5 MHz - 9 GHz



Model Numbers	Connector Configuration Port		Overall Length Max.
	AC + DC	AC	
8800NMFXX-YY	Male	Female	2.35 [59.69]
8800NFFX-YY	Female	Female	2.40 [60.96]
8800NMMX-YY	Male	Male	2.30 [58.42]
8800NFMX-YY	Female	Male	2.35 [59.69]



HOW TO ORDER:

Model Number: **8800NZZX-YY**

Base Number	Freq. Range
DC Connector Type	02 = 10 MHz - 2.5 GHz
1 = Solder Post	04 = 10 MHz - 4 GHz
2 = SMA Female Conn.	06 = 10 MHz - 6 GHz
3 = BNC Female Conn.	09 = 10 MHz - 9 GHz
	12 = 10 MHz - 12 GHz

Ordering Examples:

Model Number: **8800NFF2-02**
10 MHz - 2.5 GHz, Type N Fem/Fem
SMA Female DC Connector Type
Model Number: **8800NMF1-06**
10 MHz - 6 GHz, Type N Male/Fem
Solder Post 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.

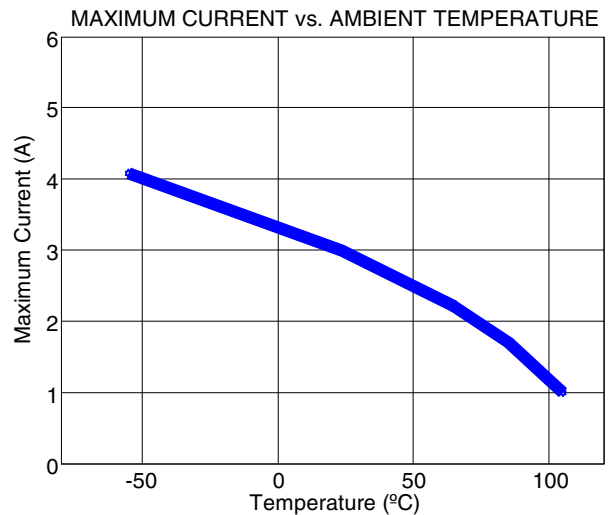
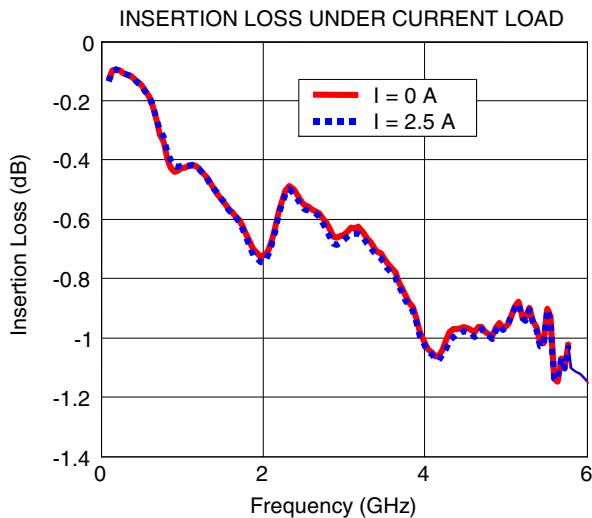
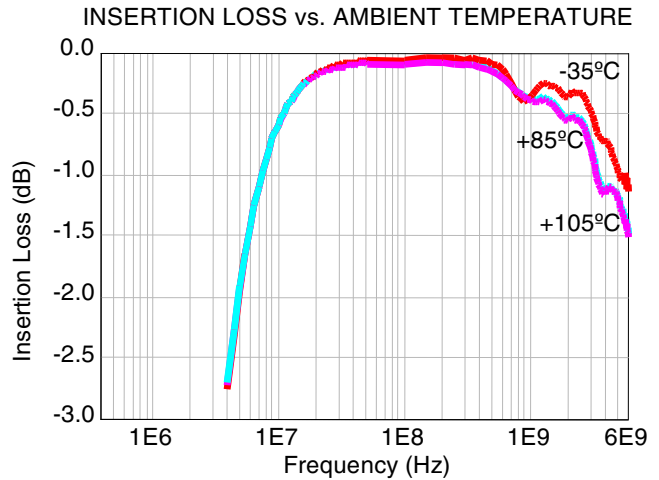
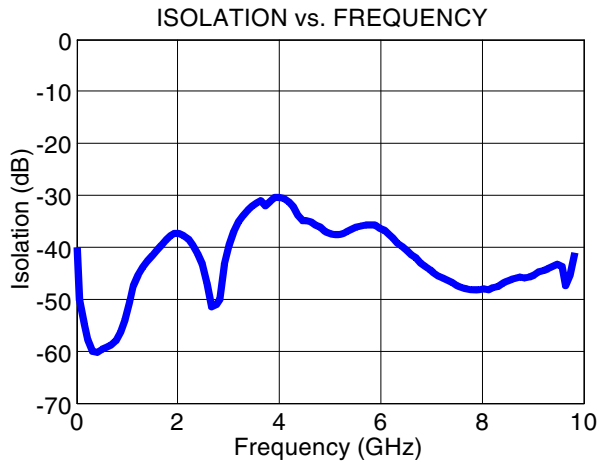
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REVISIONS

LTR	DESCRIPTION	DATE	DCN NO.
E	SEE REVISION HISTORY	2/4/08	08-00058

ADDITIONAL INFORMATION



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 EJM	DATE 10/10/02		TITLE: OUTLINE DRAWING, BIAS TEE, Type N CONNECTORS 10 MHz - 12 GHz, 50 OHM 8800NXXZ-YY SERIES	
MATERIAL:	ENGINEERING EA	DATE 10/11/02	SIZE A		
FINISH	MANUFACTURING RB	DATE 10/25/02	SCALE FULL	RELEASE DATE	SHEET 2 OF 2
SIMILAR TO	QUAL. ASSURANCE RFF	DATE 10/11/02			
WEIGHT (gr)	MARKETING NH	DATE 10/24/02			