

BIAS TEES

Type N, up to 12 GHz, 100 Volts / 2.5 Amps

RoHS
Compliant

SPECIFICATIONS:

Models: 8800NMFx-yy, 8800NFFx-yy, 8800NMMx-yy, 8800NFMx-yy

Electrical:

Frequency Range	10 MHz - 12 GHz	
Standard Freq. Values	2.5, 6 & 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

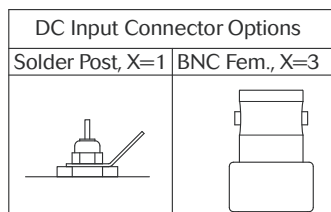
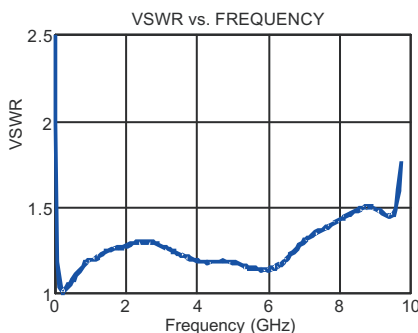
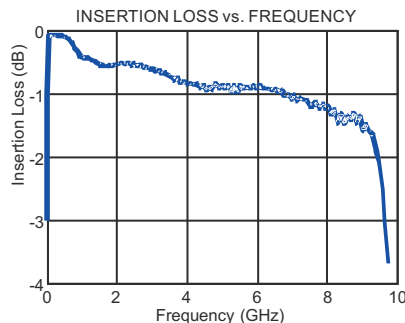
Operating Temperature Range	-55°C to +105°C
Storage Temperature Range	-60°C to +90°C

Mechanical:

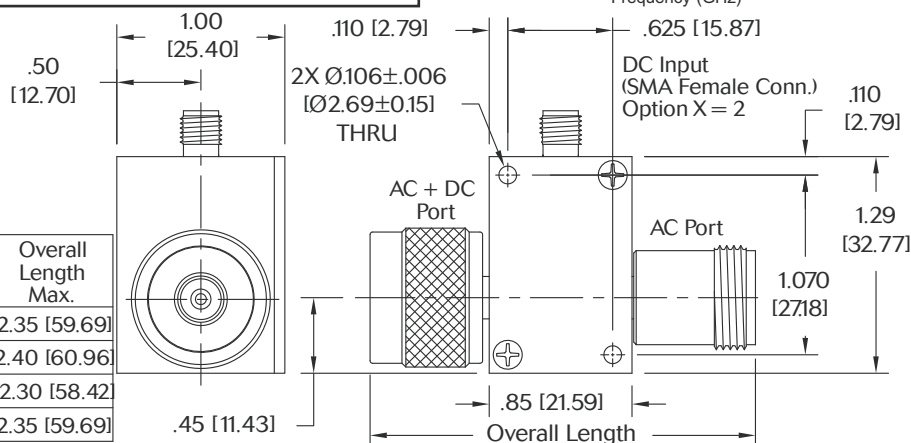
Type N & SMA Connectors	Passivated Stainless Steel
Mates with MIL-STD-348	
BNC Connectors	Nickel Plated Brass
Mates with MIL-STD-348	
Conductors	Gold Plated Beryllium Copper
Body	Aluminum with Chemical Conversion Coating

AEROFLEX
A passion for performance.

Typical performance from 5 MHz - 9 GHz



Model Numbers	Connector Configuration Port		Overall Length Max.
	AC + DC	AC	
8800NMFx-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	06 = 10 MHz - 6 GHz
2 = SMA Female Conn.	12 = 10 MHz - 12 GHz
3 = BNC Female Conn.	

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.

8800N: REV E (M)

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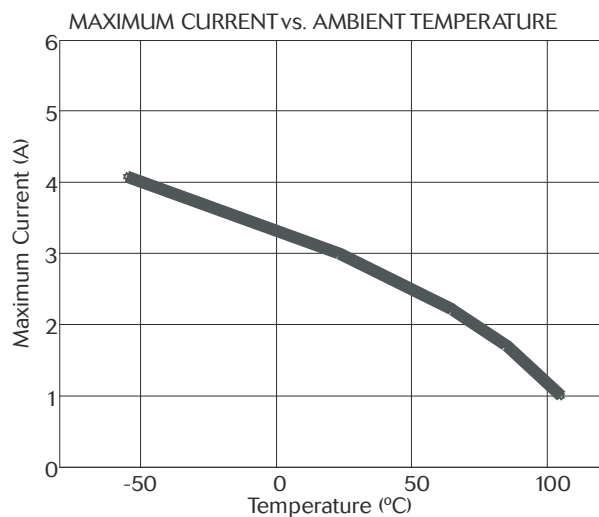
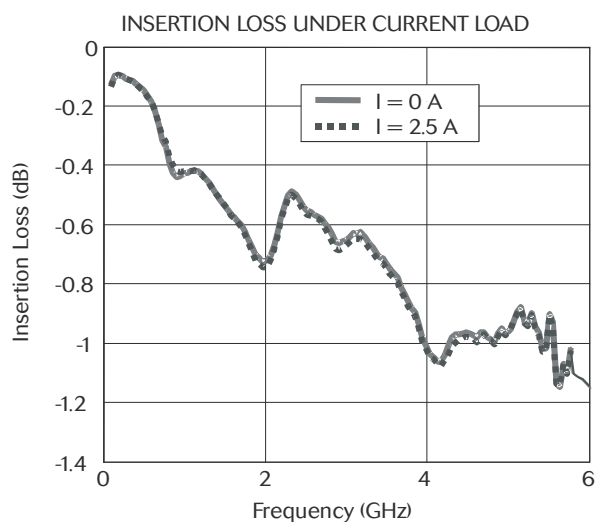
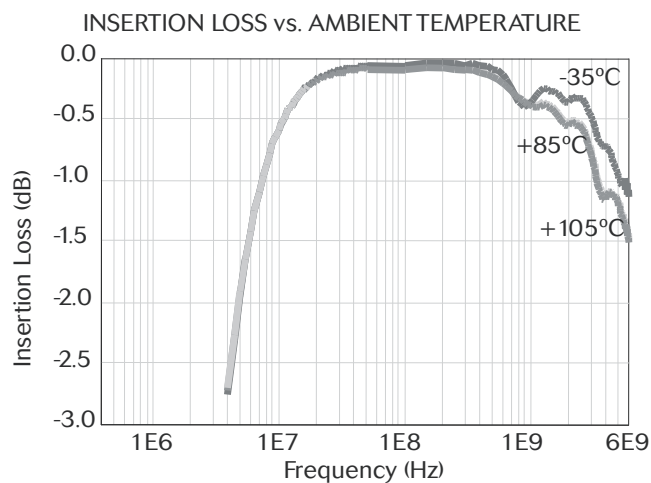
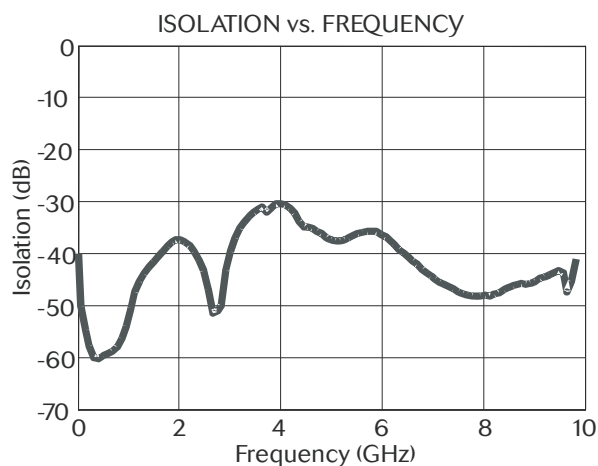
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REVISIONS

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

ADDITIONAL INFORMATION



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

UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES TOLERANCES DECIMAL ANGULAR .XX ± .01 ± .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	
ENGINEERING EA	10/11/02					
MANUFACTURING RB	10/25/02					
QUAL. ASSURANCE RFF	10/11/02					
MATERIAL:		MARKETING NH	10/24/02	SIZE A	FSCM NO. 64671	DWG. NO. 8800N
FINISH				SCALE FULL	RELEASE DATE	SHEET 2 OF 2