

BIAS TEES

Type N, up to 6.0 GHz, 100 Volts / 7 AMPS

RoHS
Compliant

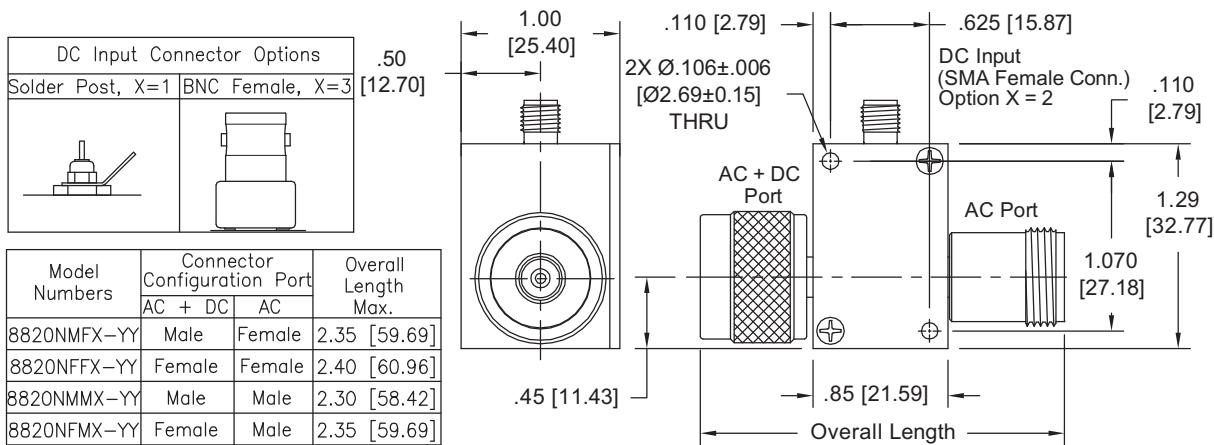
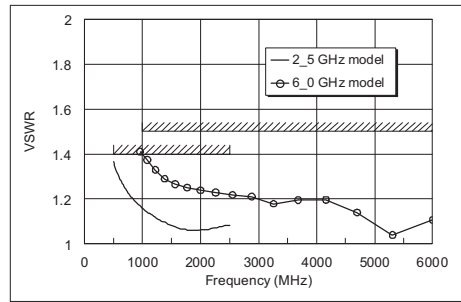
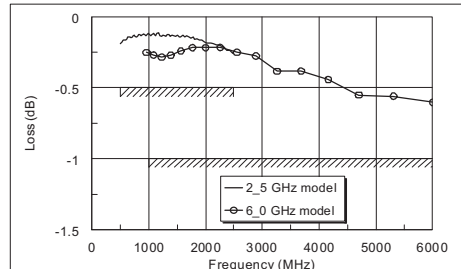
SPECIFICATIONS:

Models: 8820NMF0Y, 8820NFF0Y, 8820NMM0Y, 8820NFM0Y

Electrical:	
Frequency Range	
8820NXXY-02	500 MHz – 2.5 GHz
8820NXXY-06	1 – 6 GHz
Insertion Loss:	
8820NXXY-02	0.50 dB Max.
8820NXXY-06	1.00 dB Max.
VSWR:	
8820NXXY-02	1.40:1 Max.
8820NXXY-06	1.50:1 Max.
Isolation (RF to Bias Port)	> 20dB 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 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 of 2.5 and 6.0 GHz units.



HOW TO ORDER:

Model Number: **8820NXXY-ZZ**

Base Number

Frequency Range

DC Connector Type

02 = 500 MHz to 2.5 GHz
06 = 1 to 6 GHz

1 = Solder Post

2 = SMA Female Conn.

3 = BNC Female Conn.

Ordering Examples:

Model Number: **8820NFF2-02**

500 MHz – 2.5 GHz, Type N Fem/Fem
SMA Female DC Connector Type

Model Number: **8820NMF1-06**

1 – 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.

8820N; REV F

AEROFLEX
INMET

Aeroflex / Inmet, Inc. • 300 Dino Drive, Ann Arbor, MI 48103 • U.S.A.
888-244-6638 or 734-426-5553 • FAX: 734-426-5557
www.aeroflex.com/inmet • inmet@aeroflex.com

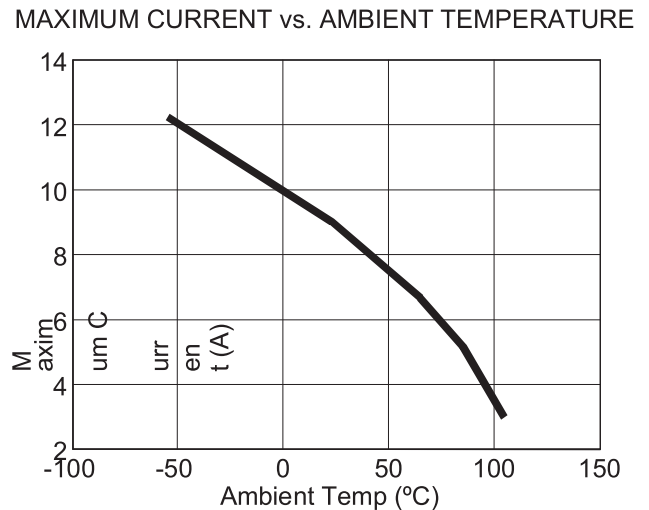
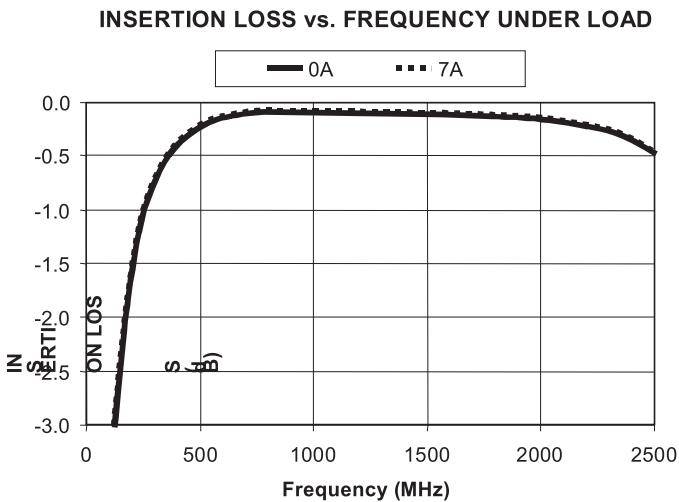
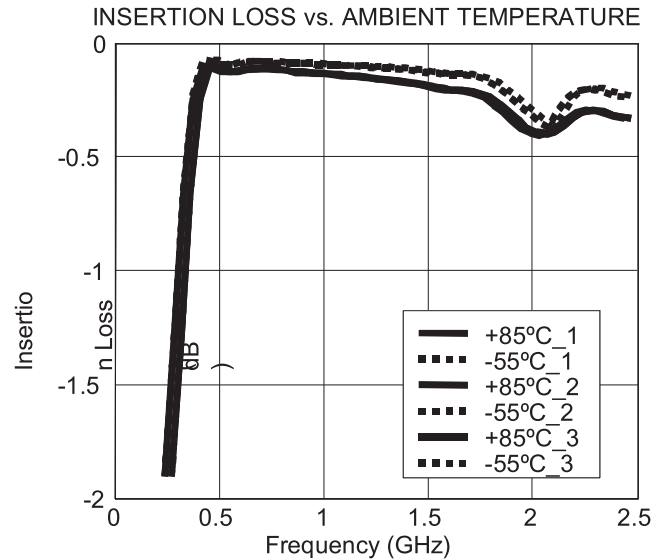
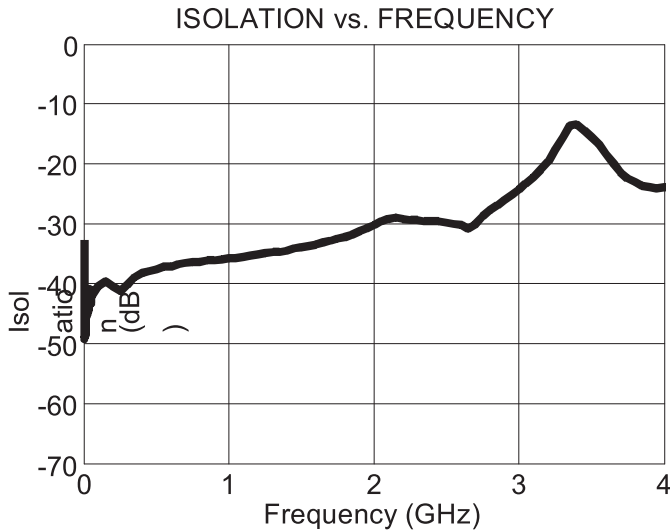
PROPRIETARY NOTICE

THE INFORMATION CONTAINED IN THIS DRAWING IS PROPRIETARY AND SHALL NOT BE USED OR DISCLOSED WITHOUT THE PRIOR WRITTEN PERMISSION OF AEROFLEX/INMET INC.

REVISIONS

LTR	DESCRIPTION	DATE	DCN NO.
F	SEE REVISION HISTORY	4/21/10	10-00086

Typical performance of 2.5 GHz Model



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 2.5 & 6.0 GHz, 100 V., 7A 8820NXXZ-YY SERIES	
MATERIAL:		ENGINEERING EA	10/11/02	SIZE A		
		MANUFACTURING RB	10/25/02	SCALE FULL RELEASE DATE SHEET 2 OF 2		
FINISH		QUAL. ASSURANCE RFF	10/11/02			
		SIMILAR TO	WEIGHT (gr)	MARKETING NH	10/24/02	