

BIAS TEES

7/16 - DIN, up to 7.5 GHz, 100 Volts / 2.5 Amps

SPECIFICATIONS:

Models: 8800DMFX-yy, 8800DFFX-yy, 8800DMMX-yy, 8800DFMX-yy

RoHS
Compliant



Electrical:

Frequency Range	10 MHz - 7.5 GHz	
Standard Freq. Values	2.5, 6, & 7.5 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	1.25 dB	1.50 dB
6 - 7.5 GHz	1.50 dB	2.00 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 - 7.5 GHz	1.50:1	1.80:1
Isolation (RF to Bias Port)	> 30dB Typ.	
3dB Bandwidth	5 MHz - 7.5 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	

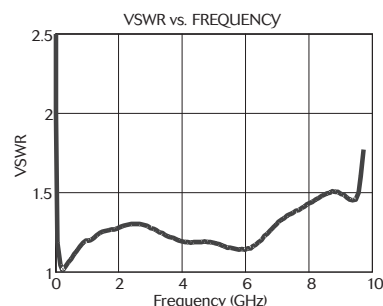
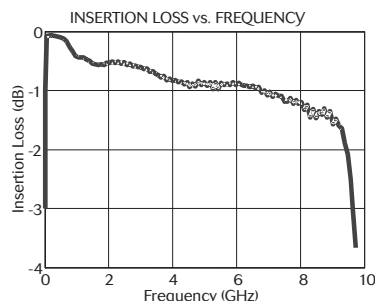
Environmental

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

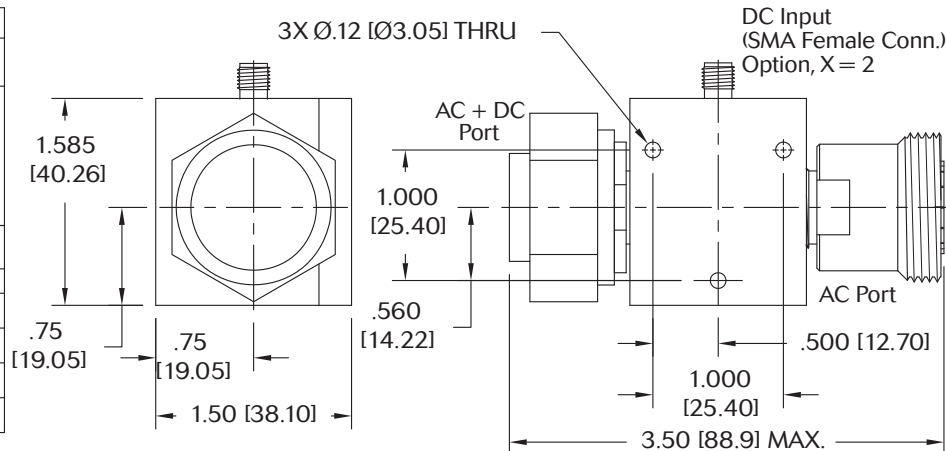
Mechanical:

7/16 DIN Connectors	Silver Plated Brass
Mates with DIN 47 223	
SMA Connectors	Passivated Stainless Steel
Mates with MIL-STD-348	
BNC Connectors	Nickel Plated Brass
Mates with MIL-STD-348	
Conductors	Silver or Gold Plated Beryllium Copper
Body	Aluminum with Chemical Conversion Coating

Typical performance from 5 MHz - 9 GHz



DC Input Connector		
X=1 Solder Post	X=3 BNC Female	
Model Numbers	Connector Configuration Port	
	AC + DC	AC
8820DMFX-02	Male	Female
8820DFFX-02	Female	Female
8820DMMX-02	Male	Male
8820DFMX-02	Female	Male



HOW TO ORDER:

Model Number: **8800DZZX-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.	07 = 7.5 GHz
3 = BNC Female Conn.	

Ordering Examples:

Model Number: **8800DFF2-02**
10 MHz - 2.5 GHz, DIN 7/16 Fem/Fem
SMA Female DC Connector Type

Model Number: **8800DMF1-06**
10 MHz - 6 GHz, DIN 7/16 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 and/or use.

8800D: REV E (M)



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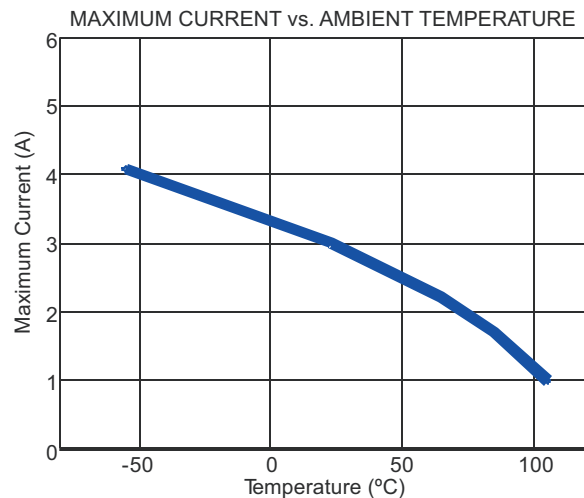
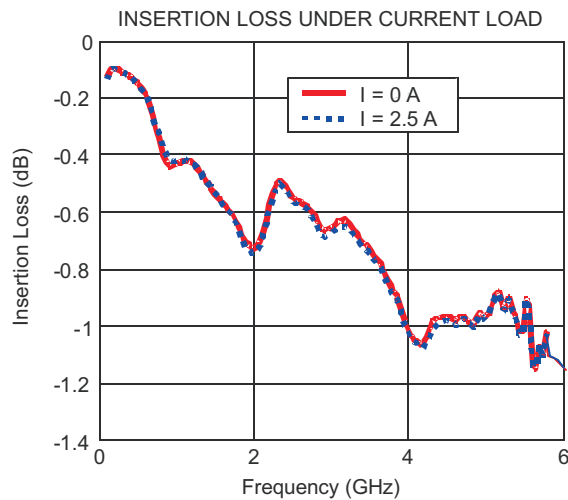
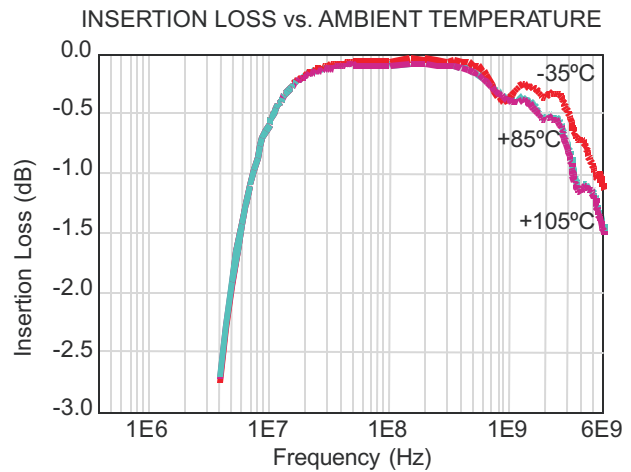
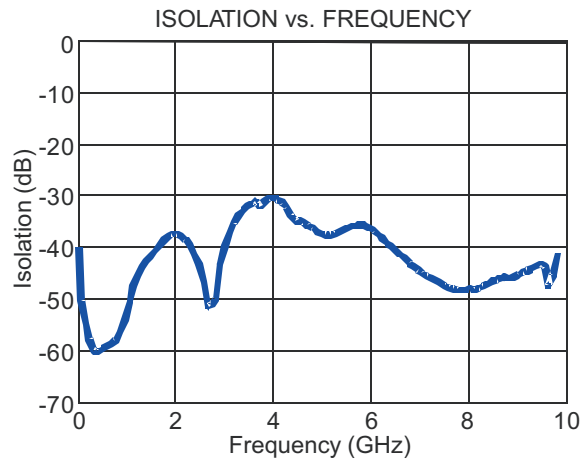
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REVISIONS

LTR	DESCRIPTION	DATE	DCN NO.
E	SEE REVISION HISTORY	2/1/08	07-00521

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			
		ENGINEERING EA	10/11/02	TITLE: OUTLINE DRAWING, BIAS TEE, DIN 7/16 CONNECTORS 10 MHz – 7.5GHz, 50 OHM 8800DXXZ-YY SERIES		
		MANUFACTURING RB	10/25/02			
MATERIAL:		QUAL. ASSURANCE RFF	10/11/02	SIZE A	FSCM NO. 64671	DWG. NO. 8800D
FINISH						
SIMILAR TO	WEIGHT (gr)	MARKETING NH	10/24/02	SCALE 3/4	RELEASE DATE	SHEET 2 OF 2