

# BIAS TEES, TYPE N (75 Ω)

up to 3 GHz, 100 Volts / 2.5 Amps



## SPECIFICATIONS:

Models: 8875NMFx-yy, 8875NFFx-yy, 8875NMMx-yy, 8875NFMx-yy

### Electrical:

Frequency Range	_____ 10 MHz - 3 GHz	
Insertion Loss	Typical	Maximum
10 MHz - 30 MHz	2.00 dB	3.00 dB
30 MHz - 3 GHz	0.75 dB	1.50 dB
VSWR	Typical	Maximum
30 MHz - 3 GHz	1.50:1	1.80:1
Isolation (RF to Bias Port)	_____ > 30dB Typ.	
3dB Bandwidth	_____ 5 MHz - 6 GHz	
Impedance	_____ 75 Ohms	
Bias-Path Resistance	_____ 0.04 Ohms Typ., 0.05 Ohms Max.	
DC Voltage	_____ 100 VDC Max.	
DC Current	_____ 2.5 Amps Max.	

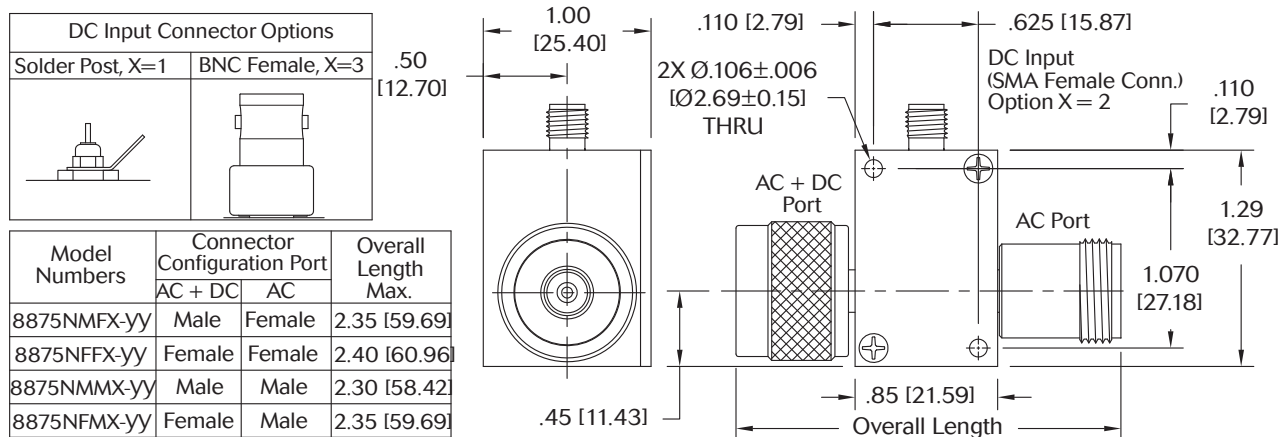
### Environmental

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

\*\*75 Ohm Type N Connectors Mate only with other 75 Ohm Type N Connectors  
Mating with a 50 Ohm Connector May DAMAGE Center Conductors.



## HOW TO ORDER:

Model Number: **8875NZZX-yy**

Base Number | DC Connector Type | Freq. Range

1 = Solder Post | 03 = 10 MHz - 3.0 GHz

2 = SMA Female Conn.

3 = BNC Female Conn.

## Ordering Examples:

Model Number: **8875NFF2-03**  
10 MHz - 3.0 GHz, Type 75-Ohm N Fem/Fem  
SMA Female DC Connector Type

Model Number: **8875NMF1-03**  
10 MHz - 3 GHz, Type 75-Ohm 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.

8875N: REV B



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-sales@eroflex.com