

# BIAS TEES TYPE F (75 Ω)

UP TO 3 GHz  
100 VOLTS / 2.5 AMPS



MODELS: 8875FMFX-YY, 8875FFFX-YY, 8875FMMX-YY, 8875FFMX-YY

## SPECIFICATIONS:

### Electrical:

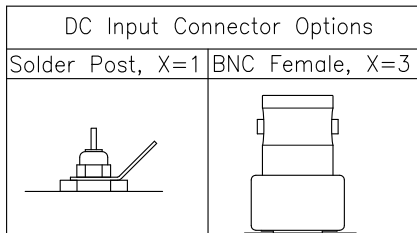
Frequency Range \_\_\_\_\_ 10 MHz – 3 GHz  
 Insertion Loss \_\_\_\_\_ Typical \_\_\_\_\_ Maximum  
 10 MHz – 30 MHz \_\_\_\_\_ 2.00 dB \_\_\_\_\_ 3.00 dB  
 30 MHz – 3 GHz \_\_\_\_\_ 0.75 dB \_\_\_\_\_ 1.50 dB  
 VSWR \_\_\_\_\_ Typical \_\_\_\_\_ Maximum  
 30 MHz – 3 GHz \_\_\_\_\_ 1.50:1 \_\_\_\_\_ 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:

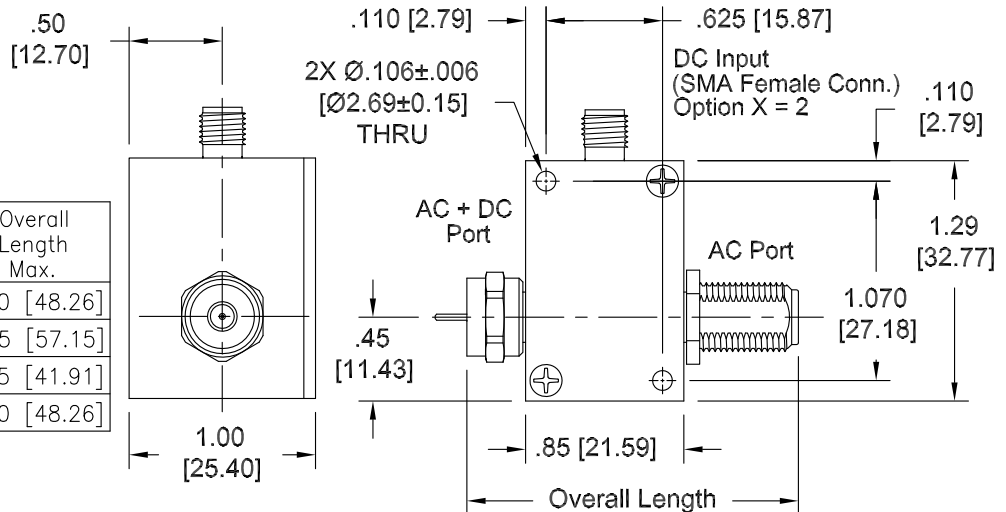
Operating Temperature Range \_\_\_\_\_ -55°C to +105°C  
 Storage Temperature Range \_\_\_\_\_ -60°C to +90°C

### Mechanical:

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



Model Numbers	Connector Configuration Port		Overall Length Max.
	AC + DC	AC	
8875FMFX-YY	Male	Female	1.90 [48.26]
8875FFFX-YY	Female	Female	2.25 [57.15]
8875FMMX-YY	Male	Male	1.65 [41.91]
8875FFMX-YY	Female	Male	1.90 [48.26]



## HOW TO ORDER:

Model Number: **8875FZZX-YY**

Base Number | Freq. Range  
 DC Connector Type |  
 1 = Solder Post  
 2 = SMA Female Conn.  
 3 = BNC Female Conn.

## Ordering Examples:

Model Number: **8875FFF2-03**  
 10 MHz – 3.0 GHz, Type F Fem/Fem  
 SMA Female DC Connector Type

Model Number: **8875FMF1-03**  
 10 MHz – 3 GHz, Type F 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.