

# BIAS TEES

SMA, up to 26.5 GHz, 25 Volts / 750 mA

**RoHS**  
Compliant

## SPECIFICATIONS:

Models: 8810SMFX-yy, 8810SFFX-yy, 8810SMMX-yy, 8810SFMX-yy

**AEROFLEX**  
A passion for performance.

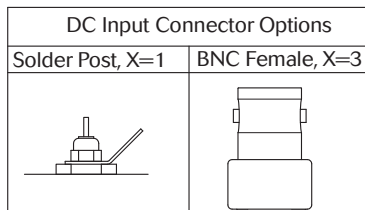
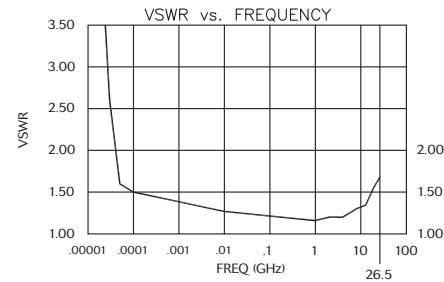
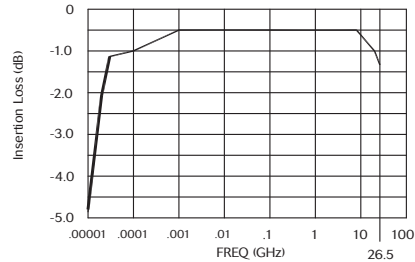
### Electrical:

Frequency Range \_\_\_\_\_ 50 kHz - 26.5 GHz  
 Standard Freq. Values \_\_\_\_\_ 12.4, 18 & 26.5 GHz  
 VSWR \_\_\_\_\_ 1.80:1 MAX.  
 Insertion Loss  
 50 kHz - 18 GHz \_\_\_\_\_ 1.5dB Max.  
 18 - 26.5 GHz \_\_\_\_\_ 3.0dB Max.  
 Impedance \_\_\_\_\_ 50 Ohms  
 Isolation (RF to Bias Port) \_\_\_\_\_ 30dB Typical  
 DC Voltage \_\_\_\_\_ 25 VDC Max.  
 DC Current \_\_\_\_\_ 750 mA Max.  
 Rise Time (10-90%) \_\_\_\_\_ < 9 pS Typical

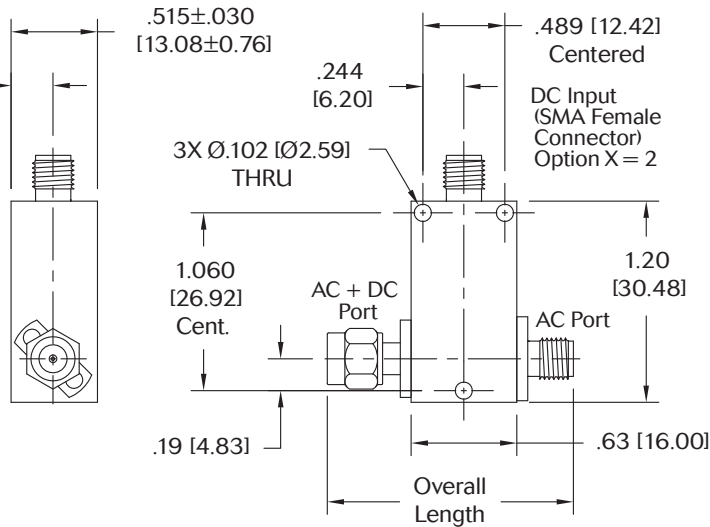
### Mechanical:

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  
 Housing \_\_\_\_\_ Gold Plated Brass

Typical performance from 100 kHz - 26.5 GHz  
INSERTION LOSS vs. FREQUENCY



Model Numbers	Connector Configuration Port		Overall Length Max.
	AC + DC	AC	
8810SMFX-yy	Male	Female	1.55 [39.37]
8810SFFX-yy	Female	Female	1.45 [36.83]
8810SMMX-yy	Male	Male	1.70 [43.18]
8810SFMX-yy	Female	Male	1.55 [39.37]



## HOW TO ORDER:

Model Number: **8810SZZX-yy**

Base Number \_\_\_\_\_ Freq. Range  
 DC Connector Type \_\_\_\_\_  
 1 = Solder Post      12 = 50 kHz - 12.4 GHz  
 2 = SMA Female Conn.      18 = 50 kHz = 18 GHz  
 3 = BNC Female Conn.      26 = 50 kHz = 26.5 GHz

## Ordering Examples:

Model Number: **8810SFF2-12**  
 50 kHz - 12.4 GHz, SMA Fem/Fem  
 SMA Female DC Connector Type

Model Number: **8810SMF1-18**  
 50 kHz - 18 GHz, SMA 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.

8810S: REV G

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