

BIAS TEE

2.4mm Connectors

7 kHz - 50 GHz
25 Volt / 175 mA

MCE
INMET

MODELS: 8810E, 8810EF, 8810EM & 8810EFM

SPECIFICATIONS:

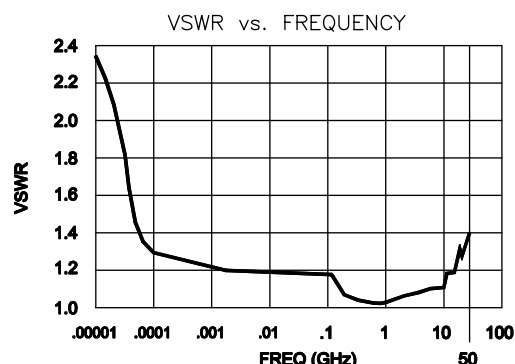
Electrical:

Frequency Range	7 KHz - 50 GHz
VSWR:	
100 KHz - 18 GHz	1.60:1 Max.
18 - 50 GHz	1.80:1 Max.
Insertion Loss:	
100 KHz	0.5 dB Typical
100 KHz - 18 GHz	1.5 dB Max.
18 - 50 GHz	3.0 dB Max.
Bandwidth (-3 dB) Approx.	< 7 KHz to > 50 GHz
Impedance	50 ohms
Isolation (RF to Bias Port):	
250 KHz - 26 GHz	> 50 dB Typical
100 KHz - 50 GHz	> 30 dB
DC Voltage	25 VDC Max.
DC Current (Continuous)	150 mA
DC Current (Peak)	175 mA Max.
Rf Power	5 Watts Max.
Rise Time (10% - 90%)	< 9 pS Typical

Mechanical:

2.4mm Female Connectors	Gold Plated Beryllium Copper
Mates with 2.4mm & 1.85mm Connectors	
SMA Female Connector	Passivated Stainless Steel
Mates IAW MIL-STD-348, Series SMA	
Housing	Aluminum with Chemical Conv. Coating

Typical performance from 7 KHz - 50 GHz



Model Number: 8810E

AC+DC Port = 2.4mm Male
AC Port = 2.4mm Female
Overall Length = 1.55 Max. [39.37]
As Pictured

Model Number: 8810EF

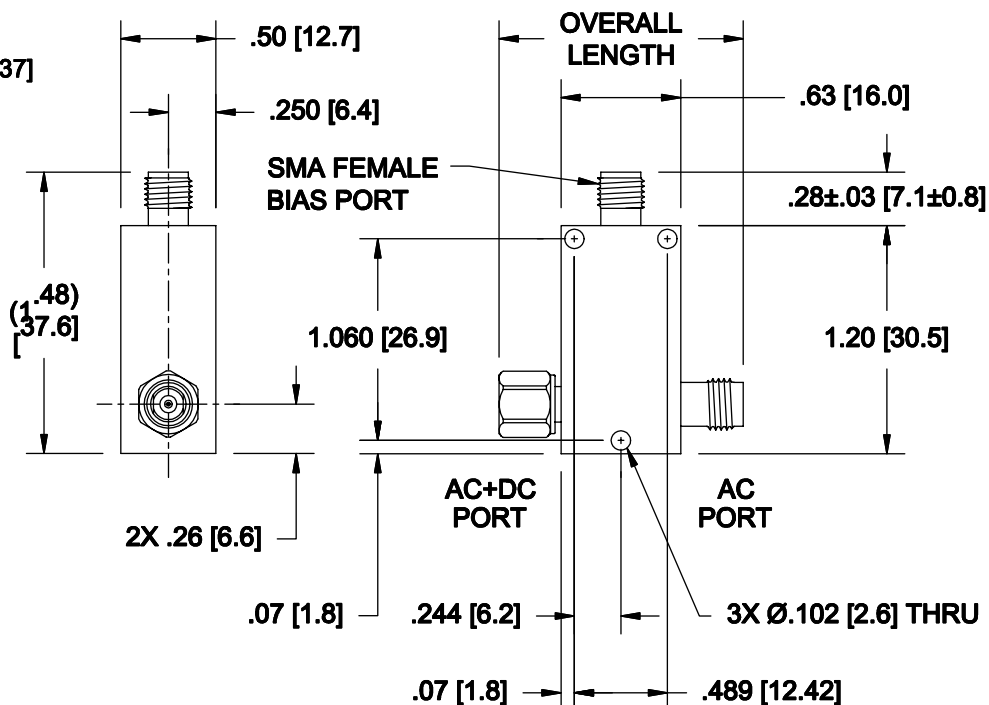
AC+DC Port = 2.4mm Female
AC Port = 2.4mm Female
Overall Length = 1.45 Max. [36.83]

Model Number: 8810EM

AC+DC Port = 2.4mm Male
AC Port = 2.4mm Male
Overall Length = 1.70 Max. [43.18]

Model Number: 8810EFM

AC+DC Port = 2.4mm Female
AC Port = 2.4mm Male
Overall Length = 1.55 Max. [39.37]



Note: Dimensions in Brackets are Expressed in Millimeters and are for Reference Only.
SMC Bias Port and other connector options available. Overall lengths are with coupling nuts
biased forward (install length).

8810E; REV D