

Bias Tees, Pulsed SMA

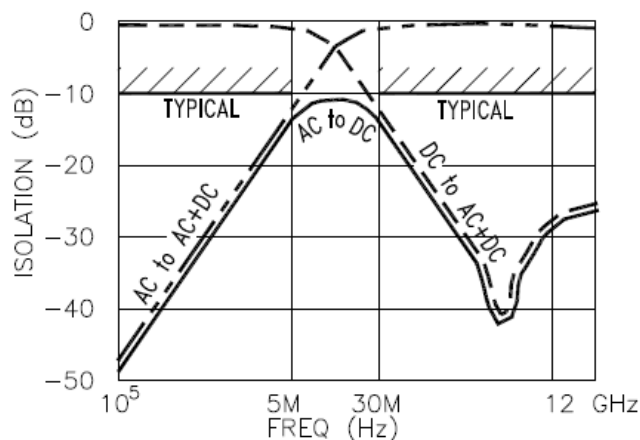
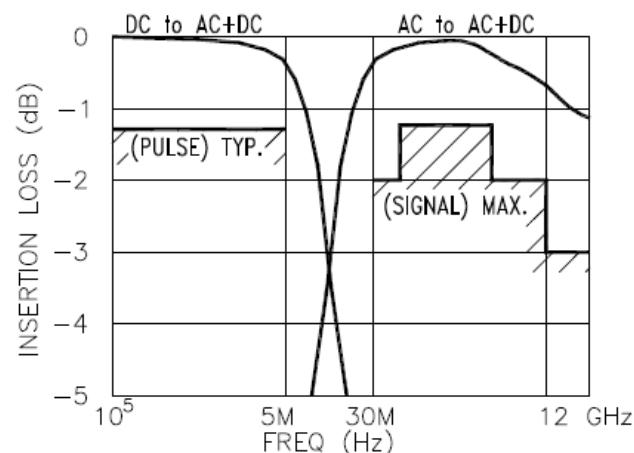
Up to 12 GHz

MODELS: 8860SMFX-YY, 8860SFFX-YY, 8860SMMX-YY, 8860SFMX-YY

Technical Specifications

Parameter	Value	
Electrical		
Frequency Range	30 MHz – 12 GHz	
Standard Freq. Values	2.5, 6, 9 & 12 GHz	
Insertion Loss (AC to AC+DC)	Typical	Maximum
30 MHz – 100 MHz	1.00 dB	2.00 dB
100 MHz – 6 GHz	0.50 dB	1.25 dB
6 – 9 GHz	1.50 dB	2.00 dB
9 – 12 GHz	2.00 dB	3.00 dB
Insertion Loss (AC+DC to DC) <5 MHz	<1.25 dB typical	
VSWR	Typical	Maximum
30 MHz – 100 MHz	1.80:1	2.00:1
100 MHz – 6 GHz	1.30:1	1.50:1
6 – 9 GHz	1.60:1	1.80:1
9 – 12 GHz	2.20:1	
Isolation (AC to DC) <5 MHz, >30 MHz (AC to AC+DC) <5 MHz (DC to AC+DC) >30 MHz	>10 dB typical >10 dB typical >10 dB typical	
Impedance	50 Ohms	
DC Voltage	100 VDC max.	
DC Current	3 Amps max.	
Current Rating vs. Temp.	Derated linearly to 1A at 105°C	

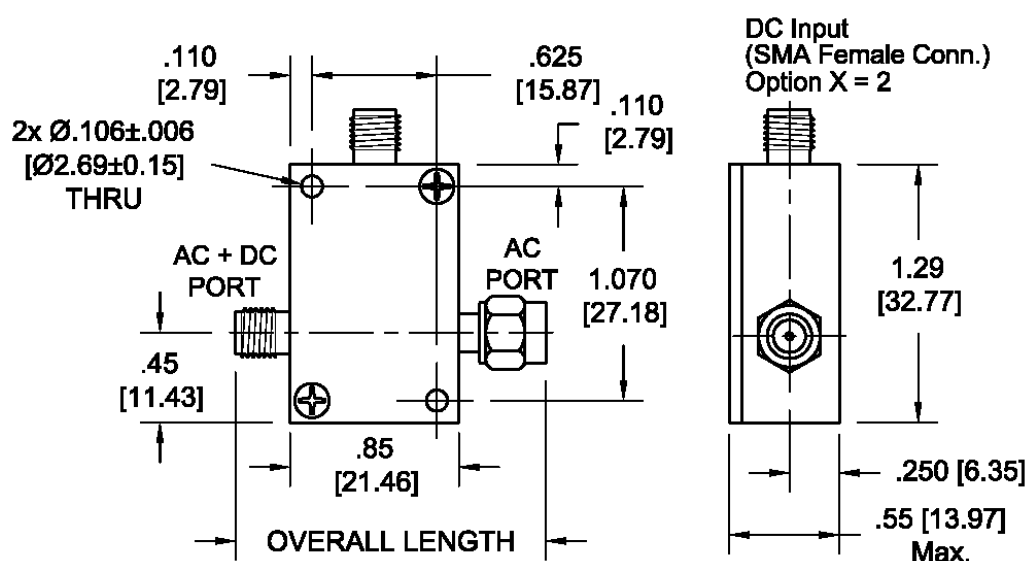
RF specifications apply with 3rd port is terminated with 50 Ohm load.



<i>Mechanical</i>	
SMA Connectors Mates with MIL-STD-348	Passivated Stainless Steel
Conductors	Gold Plated Beryllium Copper
Body	Aluminum w/ chemical conversion coating

<i>Environmental</i>	
Operating Temp. Range	-55°C to +105°C
Storage Temp. Range	-60°C to +90°C

Model Numbers	Connector Configuration Port		Overall Length Max.
	AC + DC	AC	
8860SMF2-YY	Male	Female	1.77 [44.96]
8860SFF2-YY	Female	Female	1.67 [42.42]
8860SMM2-YY	Male	Male	1.92 [48.77]
8860SFM2-YY	Female	Male	1.77 [44.96]



How To Order

Model #: **8860SZZ2-YY**

Model Number

Freq. Range

02 = 30 MHz – 2.5 GHz

06 = 30 MHz – 6 GHz

12 = 30 MHz – 12 GHz

Order Examples

Model number: 8860SFM2-12
30 MHz – 12 GHz, SMA, Fem/Male
SMA Female DC Connector Type

