

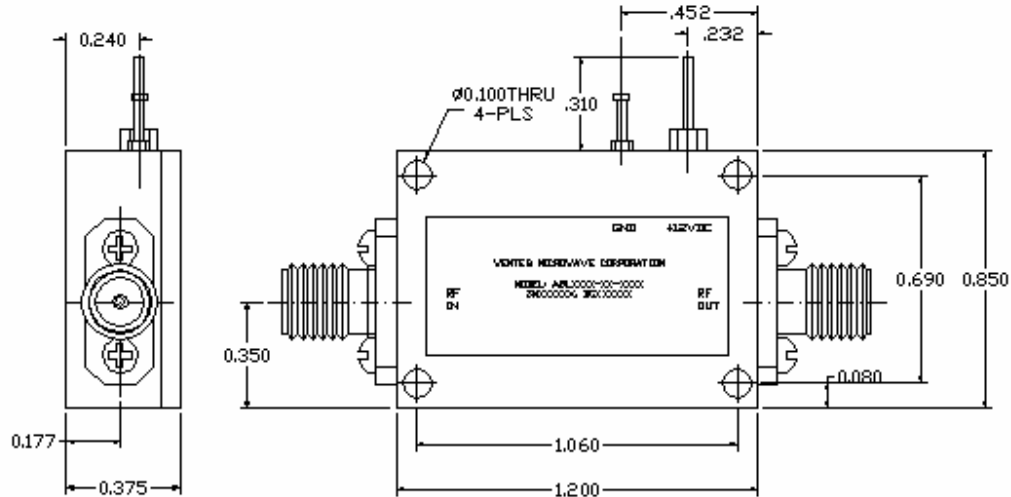
Features:

- Broad band, low noise
- Low VSWR, unconditional stable
- High P-1dB, excellent linearity
- Small size, low cost
- SMA female connector I/O
- Low DC consumption
- Operating temperature -40~+85°C, storage temperature -55~+125°C

Electrical Specifications

Parameters	Specifications		
	Minimum	Typical	Maximum
Frequency Range	100 MHz		2000MHz
Noise Figure (from 50MHz)		1.8 dB	2.0 dB
Nominal SS Gain @25°C	25 dB	27dB	29 dB
Gain flatness		+/-0.75 dB	+/-1.0 dB
Gain Variation Over Temperature		+/-1.0 dB	
P-1dB Compression Point	+20.0dBm	+22.0 dBm	
Output IP3	+34.0 dBm	+37.0 dBm	
Input VSWR		1.5:1	1.8:1
Output VSWR		1.5:1	1.8:1
Reverse Isolation		45dB	
Spurious			-60 dBc
Operating Temperature	-40°C		+85°C
Survival Temperature	-55°C		+125°C
DC Voltage	+10.5	+12 V	+13.5
DC Supply Current	140 mA	160 mA	190 mA
RF In/Out connectors	SMA female		
DC Input Connector	Feed-thru PIN		
Size	1.2"x0.85"x0.375		

Mechanical Structure:



Note: All units in inches.

Absolute Maximum Ratings

DC Voltage	+15V
RF Input Power	+10 dBm
Storage Temperature	-55~+125°C
Operating Temperature	-40~+85°C