

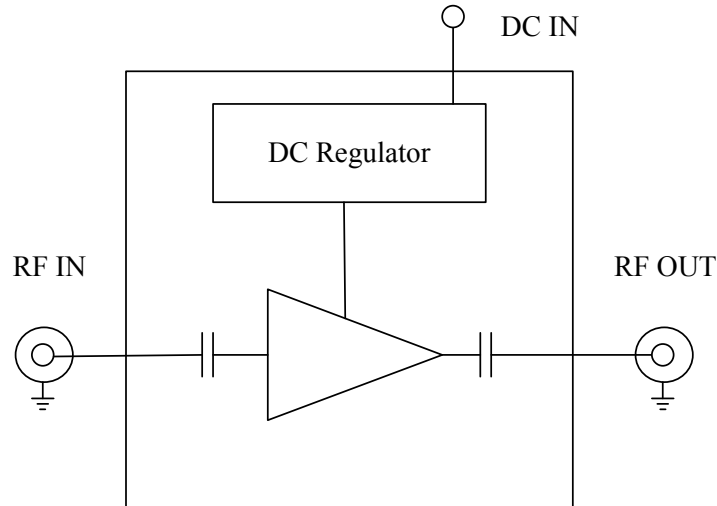
Features:

- Octave bandwidth, specification from 100~1000MHz
- Low noise figure, high gain with good gain flatness
- Low VSWR, unconditional stable
- Small size, low cost
- SMA female connector I/O
- Single DC power supply, internal voltage regulator, operating voltage from +10~+15V
- Operating temperature -40~+75°C, storage temperature -55~+125°C

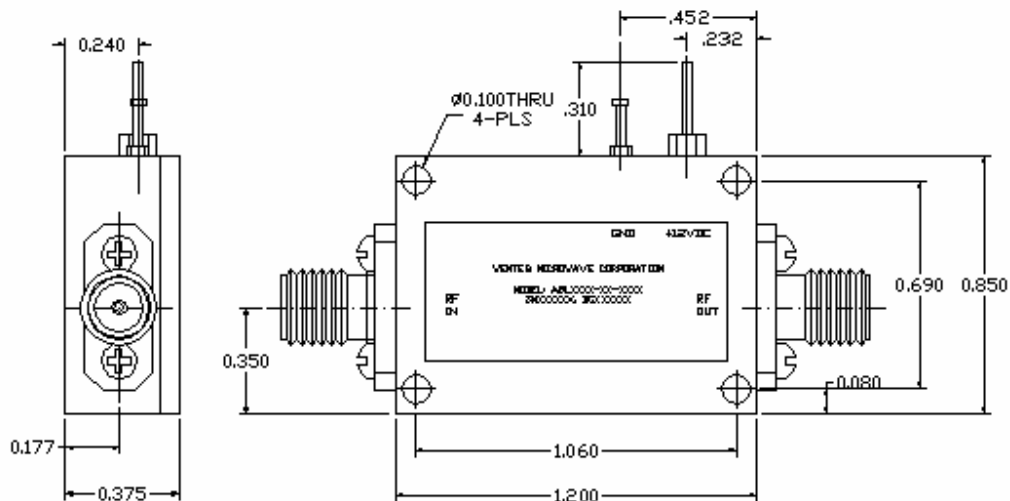
Electrical Specifications

Parameters	Minimum	Typical	Maximum
Frequency Range	100 MHz		1000MHz
Noise Figure (from 50MHz)		0.8dB	1.0dB
P-1dB Compression Point	+10dBm	+13dBm	
Output IP3	+18dBm	+22dBm	
Nominal SS Gain @25°C	16 dB	18dB	22dB
Gain flatness		+/-0.75dB	+/-1.0dB
Gain Variation over temp		+/-1.0dB	
Input VSWR		1.5:1	1.7:1
Output VSWR		1.5:1	1.7:1
Reverse Isolation	25 dB	30dB	
Spurious			-60dBc
Operating Temperature	-40°C		+85°C
Survival Temperature	-55°C		+125°C
DC Voltage	+9V	+12 V	+15 V
DC Supply Current	50 mA	60 mA	70 mA
In/Out connectors	SMA female		
Size	1.2"x0.85"x0.375		

Functional Diagram



Mechanical Structure:



Note: All units in inches.

Absolute Maximum Ratings

DC Voltage	+15V
RF Input Power	+10dBm
Storage Temperature	-55~+125°C
Operating Temperature	-40~+75°C