

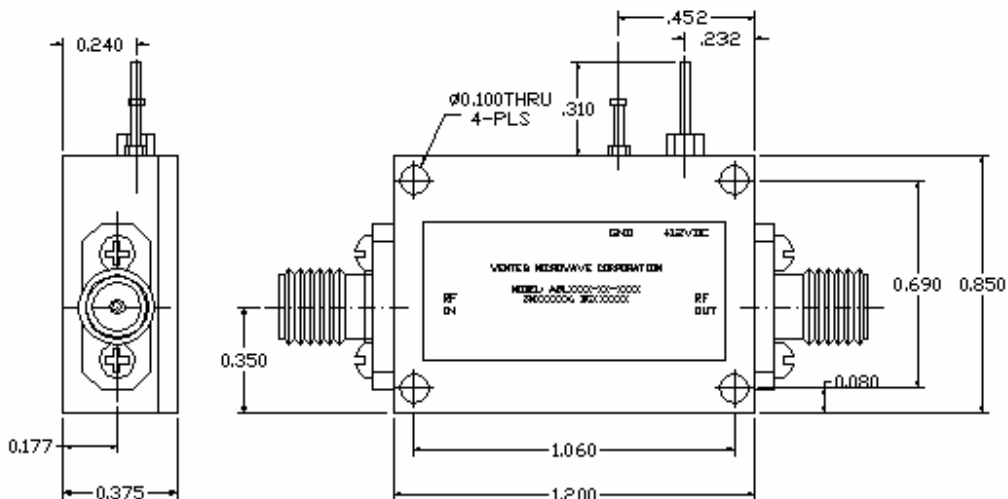
Features:

- Broad band, low noise
- Low VSWR, unconditional stable
- Small size, low cost
- SMA female connector RF I/O
- Single DC power supply required
- Operating temperature -40~+85°C, storage temperature -55~+85°C

Electrical Specifications

Parameters		Specifications		
		Minimum	Typical	Maximum
Frequency Range	GHz	0.1		18.0
Nominal Gain @25°C base plate temperature	dB	12.0	14.0	16.0
Noise Figure	dB			
0.1~2.5GHz			4.0	4.5
2.5~16.5GHz			3.0	3.5
16,5~18.0GHz			3.5	4.0
P-1dB Compression Point	dBm	14.0	16.0	
Psat at Output	dBm	16.0	18.0	
Output IP3	dB m	27.0	28.0	
Gain flatness	dB		+/-1.5	
Gain Variation over Temperature Range	dB		+/-1.0	
Reverse Isolation	dB	28.0	40.0	
Input VSWR	-		1.5:1	2.0:1
Output VSWR	-		1.7:1	2.0:1
Spurious	dBc		60.0	
Operating Temperature	°C	-40.0		+85.0
Survival Temperature	°C	-45.0		+125.0
DC Power Supply Voltage	V	+10.0	+12.0	+15.0
DC Power Supply Current	mA	65.0	80.0	95.0
RF In/Out connectors		50 ohm SMA female		
DC Input Connector		Feedthru Pin		
Size	inches	1.20×0.85×0.375		

Mechanical Structure:



Note: All units in inches.

Absolute Maximum Ratings

DC Voltage	+18V
RF Input Power	+10 dBm
Storage Temperature	-55~+125°C
Operating Temperature	-40~+85°C