

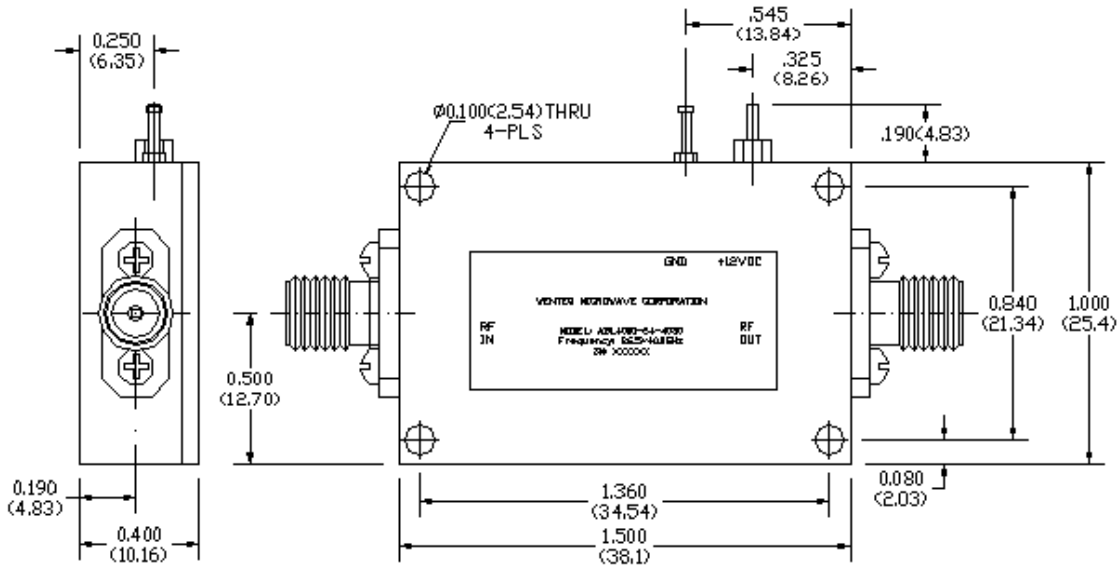
Features:

- Broad band, medium power, low noise, and high gain
- Low VSWR, unconditional stable
- Small size, low cost
- SMA female connector I/O
- Operating temperature -40~+75°C, storage temperature -55~+85°C

Electrical Specifications

Parameters		Specifications		
		Minimum	Typical	Maximum
Frequency Range	GHz	2.0		18.0
Nominal Gain @25°C base plate temperature	dB	30.0	33.0	36.0
Noise Figure	dB		3.5	4.5
P-1dB Compression Point 2~12GHz 12~16GHz 16~18GHz	dBm	24.0 23.0 22.0	26.0 25.0 24.0	
Output 3 rd Order Intercept Point	dBm	30.0	34.0	
Gain flatness	dB		+/-2.0	+/-2.5
Gain Variation over Temperature Range	dB		+/-1.5	
Reverse Isolation	dB		50.0	
Input VSWR	-		1.8:1	2.5:1
Output VSWR	-		1.8:1	2.1:1
Spurious	dBc		60.0	
Operating Temperature	°C	-40.0		+75.0
Survival Temperature	°C	-45.0		+125.0
DC Power Supply Voltage	V	+12.0		+15.0
DC Power Supply Current	mA	350.0	400.0	500.0
RF In/Out connectors		SMA Female Connectors		
DC Input Connector		Feedthru Pin		
Size	inches	1.50×1.0×0.40		

Mechanical Structure:



Note: All units in inches.

Absolute Maximum Ratings

DC Voltage	+15V
RF Input Power	+10dBm
Maximum Load VSWR	3:1
Storage Temperature	-55~+125°C
Operating Temperature	-45~+85°C