

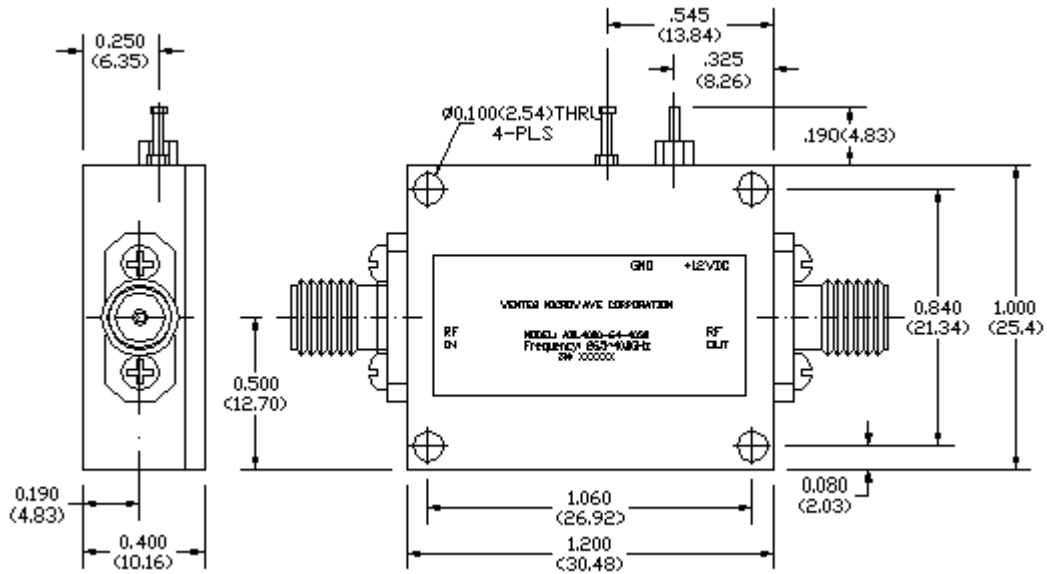
Features:

- Broad band, low noise, high power output
- Low VSWR, unconditional stable
- Small size, low cost
- K female connector RF I/O
- Single DC power supply required
- Operating temperature -40~+85°C, storage temperature -55~+125°C

Electrical Specifications

Parameters		Specifications		
		Minimum	Typical	Maximum
Frequency Range	GHz	2.0		24.0
Nominal Gain @25°C base plate temperature	dB	10.0	12.0	14.0
Noise Figure	dB			
2.0~5.0GHz			6.5	8.0
5.0~20.0GHz			3.0	4.0
20.0~24.0GHz		4.0		5.0
P-1dB Compression Point	dBm	25.0	26.0	
Psat at Output	dBm	27.0	28.0	
Output IP3	dB m	32.0	35.0	
Gain flatness	dB		+/-0.75	+/-1.25
Gain Variation over Temperature Range	dB		+/-1.0	
Reverse Isolation	dB	20.0	30.0	
Input VSWR	-		1.7:1	2.2:1
Output VSWR	-		1.7:1	2.2:1
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	200.0	260.0	320.0
RF In/Out connectors		50 ohm K 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	+23 dBm
Storage Temperature	-55~+125°C
Operating Temperature	-40~+85°C