

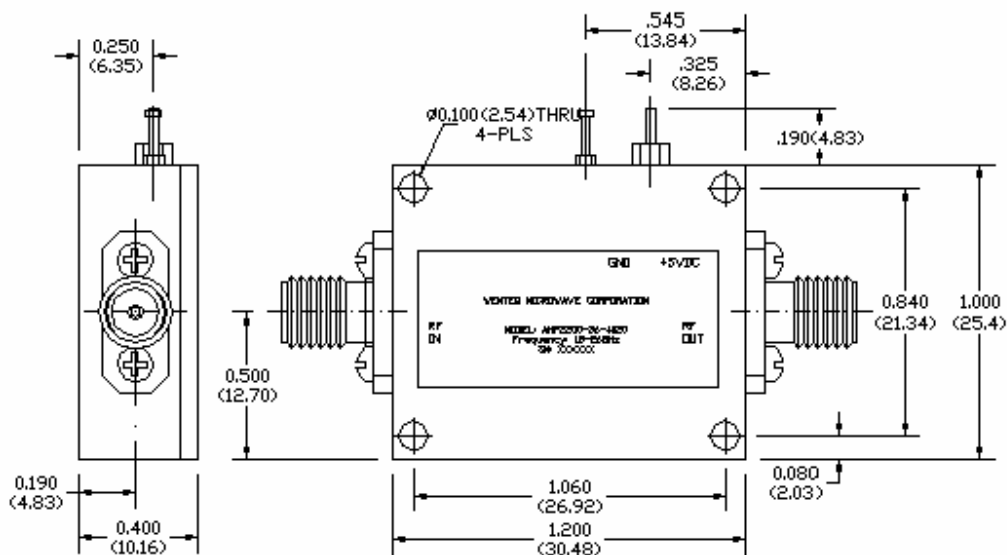
Features:

- High gain, medium power output
- Low VSWR, unconditional stable
- Single DC power supply, Built in DC block and voltage regulator
- Temperature gain compensation reduces gain variation over temperature
- Small size, low cost
- SMA female connector I/O
- Operating temperature -10~+40°C, storage temperature -55~+125°C

Electrical Specifications

Parameters	Specifications		
	Minimum	Typical	Maximum
Frequency Range, GHz	13.0		14.0
Noise Figure @ 25°C		5.0	6.0
Small Signal Gain, dB @25°C	25	28	31
Gain flatness, dB			±0.5
Gain Variation over temperature			±0.5
P-1dB Compression Point, dBm	24.0	26.0	
Output IP3, dBm	34.0		
Input VSWR		1.8:1	2.0:1
Output VSWR		2.0:1	2.5:1
Spurious			-60 dBc
Operating Temperature	-10°C		+40°C
Survival Temperature	-55°C		+125°C
DC Supply Voltage, V	6.5	7.0	7.5
DC Supply Current, mA	340	400	460
In/Out connectors	50 ohm SMA female connector		
Size	1.2"x1.0"x0.4"		

Mechanical Structure:



Note: All units in inches (mm).

Absolute Maximum Ratings

DC Voltage	+8.0V
RF Input Power	+15 dBm
Storage Temperature	-55~+125°C
Operating Temperature	-10~+40°C