

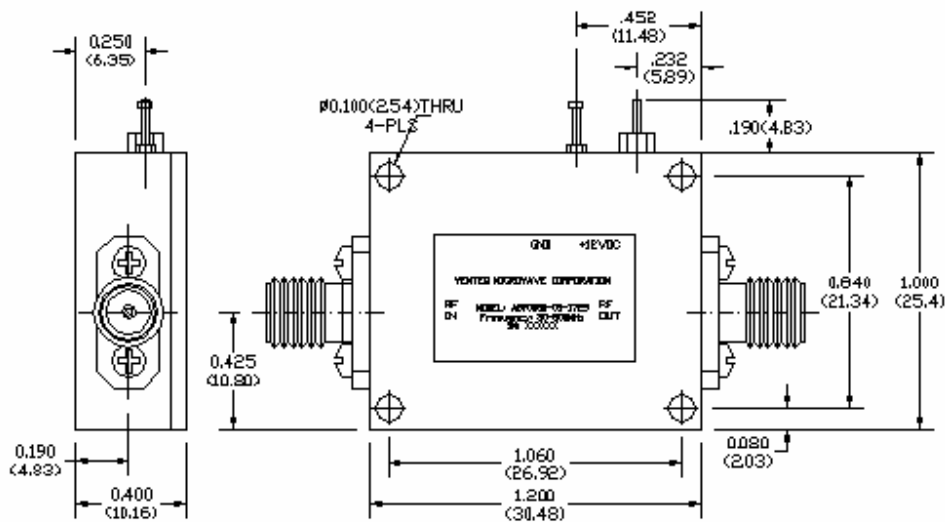
**Features:**

- Operating frequency 20~600MHz
- 13dB gain, Low VSWR, unconditional stable
- Balanced circuit structure provides very high IP2 power
- SMA female (male optional) connector I/O
- Single DC power supply
- Operating temperature -40~+75°C, storage temperature -55~+125°C

**Electrical Specifications**

Parameters	Minimum	Typical	Maximum
Frequency Range	20 MHz		600 MHz
P-1dB Compression Point	+25 dBm	+26 dBm	
Output IP3	+40 dBm	+42 dBm	
Output IP2	+67 dBm	+70 dBm	
Nominal SS Gain @25°C	11.0 dB	13.0dB	15.0 dB
Gain flatness		+/-0.75 dB	+/-1.0 dB
Gain Variation		+/-1.0 dB	
Noise Figure		6.0 dB	6.5 dB
Input VSWR		1.5:1	1.7:1
Output VSWR		1.5:1	1.7:1
Reverse Isolation	15 dB	22dB	
Spurious			-60 dBc
Operating Temperature	-40°C		+75°C
Survival Temperature	-55°C		+125°C
DC Voltage	+12V		+15 V
DC Supply Current	200 mA	250 mA	300 mA
In/Out connectors	SMA female (or male optional)		
Size	1.2"x1.0"x0.4"		

Mechanical Structure:



Note: All units in inches (mm).

Absolute Maximum Ratings

DC Voltage	+16V
RF Input Power	+20dBm
No damage Output VSWR	6:1
Storage Temperature	-55~+125°C
Operating Temperature	-40~+75°C