



BROADBAND LOW NOISE AMPLIFIER ABL0600-33-4009

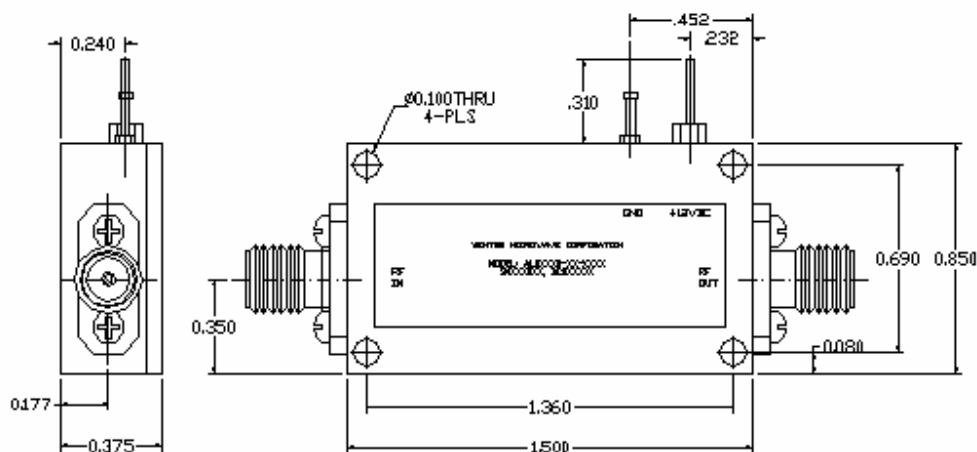
Features:

- Broad band operation from 2.0 to 6.0 GHz
- Low VSWR, unconditional stable
- Small size, low cost
- SMA female connector I/O
- Single DC power supply, internal voltage regulator allowing operating voltage from +8V to +15V range
- Operating temperature -40~+75°C, storage temperature -55~+125°C

Electrical Specifications

Parameters	Specifications		
	Minimum	Typical	Maximum
Frequency Range	2000 MHz		6000MHz
Noise Figure (from 50MHz)		0.9 dB	1.10 dB
Nominal SS Gain @25°C	37.0 dB	40.0 dB	43.0 dB
P-1dB Compression Point	+12.0 dBm	+14.0 dBm	
Gain flatness		+/-1.0 dB	+/-1.25 dB
Gain Variation over temperature		+/-1.5 dB	
Input VSWR		1.5:1	2.0:1
Output VSWR		1.6:1	2.0:1
Reverse Isolation	55dB	60dB	
Spurious			-60 dBc
Operating Temperature	-40°C		+75°C
Survival Temperature	-55°C		+125°C
DC Voltage	+8.0V		+15 V
DC Supply Current	80 mA	90 mA	110 mA
RF In/Out connectors	SMA female		
DC Input Connector	Feed-thru PIN		
Size	1.5"x0.85"x0.375		

Mechanical Structure:



Note: All units in inches.

Absolute Maximum Ratings

DC Voltage	+15V
RF Input Power	+5 dBm
Storage Temperature	-55~+125°C
Operating Temperature	-40~+75°C