

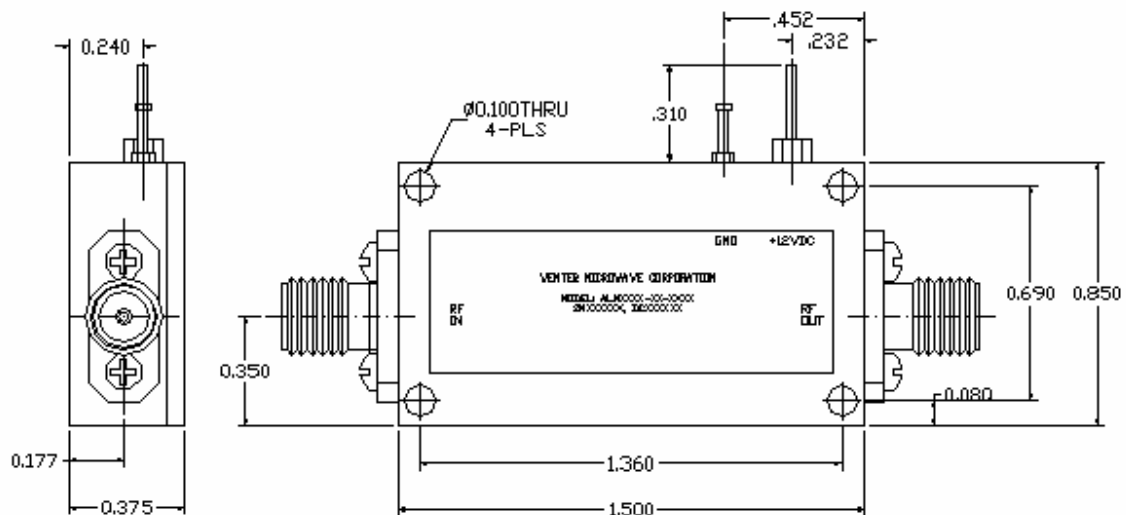
### Features:

- low noise, high gain
- Input protected, 1Watt input no damage
- Low VSWR, unconditional stable
- Small size, low cost
- SMA female connector I/O
- Operating temperature -40~+85°C, storage temperature -45~+125°C

## Electrical Specifications

|                               |                                                |
|-------------------------------|------------------------------------------------|
| Frequency Range               | 400 to 600 MHz                                 |
| Noise Figure                  | 0.65 dB Typical, 0.75dB Max@+25degree C        |
| P-1dB Compression Point       | +10dBm min                                     |
| Nominal Gain                  | 30 dB @25°C base plate temperature             |
| Gain flatness                 | +/-0.75 dB over whole band                     |
| Gain Variation                | +/-1.0dB over -40 to +85°C ambient temperature |
| Maximum input no damage power | 1Watt CW                                       |
| Input VSWR                    | 1.5:1 Typical, 1.7:1 max                       |
| Output VSWR                   | 1.2:1 typical, 1.5:1 max                       |
| Spurious                      | -60 dBc max                                    |
| Operating Temperature         | -40 to +85°C                                   |
| Survival Temperature          | -50 to +125°C                                  |
| DC Power Supply               | 100mA@+12V                                     |
| In/Out connectors             | SMA-type female                                |
| Size                          | 1.50"x0.85"x0.375                              |

### Mechanical Structure:



Note: All units in inches.