

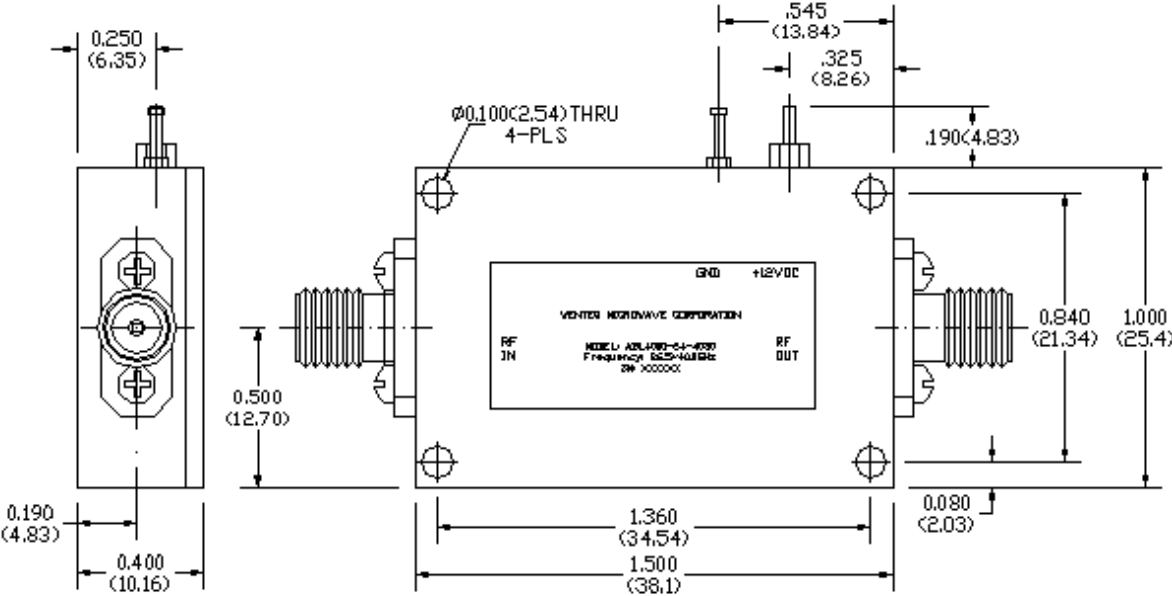
Features:

- Broad band operation from 2.0 GHz to 4.0 GHz
- Low VSWR, unconditional stable
- Small size, low cost
- SMA female connector I/O.
- Single DC power supply, internal voltage regulator, operating voltage from +15V
- Operating temperature -40~+75°C, storage temperature -55~+125°C

Electrical Specifications

| Parameters | Units | Specifications | | |
|---------------------------|--------|----------------|---------|---------|
| | | Minimum | Typical | Maximum |
| Frequency Range | GHz | 2.0 | | 4.0 |
| Small Signal Gain @25°C | dB | 23.0 | 25.0 | 27.0 |
| Noise Figure @25°C | dB | | 2.5 | 3.5 |
| P-1dB Compression Point | dBm | +24.0 | +26.0 | |
| Output IP3 | dBm | +40.0 | 43.0 | |
| Gain flatness | dB | | +/-0.75 | +/-1.0 |
| Gain Variation over temp. | dB | | +/-2.0 | |
| Input VSWR | | | 1.8:1 | 2.0:1 |
| Output VSWR | | | 1.8:1 | 2.0:1 |
| Reverse Isolation | dB | 45.0 | | |
| Non-Harmonic Spurious | dBc | | | -60.0 |
| Operating Temperature | °C | -40 | | +75 |
| Survival Temperature | °C | -55 | | +125 |
| DC Voltage | V | +11.0 | +12.0 | +15.0 |
| DC Supply Current | mA | 350 mA | 450 mA | 550 mA |
| In/Out connectors | | SMA Female | | |
| Size | inches | 1.5"x1.0"x0.4" | | |

Mechanical Structure:



Note: All units in inches.

Absolute Maximum Ratings

| | |
|-----------------------|------------|
| DC Voltage | +18V |
| RF Input Power | 10 dBm |
| Storage Temperature | -55~+125°C |
| Operating Temperature | -40~+75°C |