

**Features:**

- Frequency from 500MHz to 2.0 GHz
- Good noise figure, wide dynamic range, high gain with good gain flatness
- Low VSWR, unconditional stable
- SMA female connector I/O
- Single DC power supply, Integrated internal voltage regulator
- Operating temperature -40~+75°C, storage temperature -55~+125°C

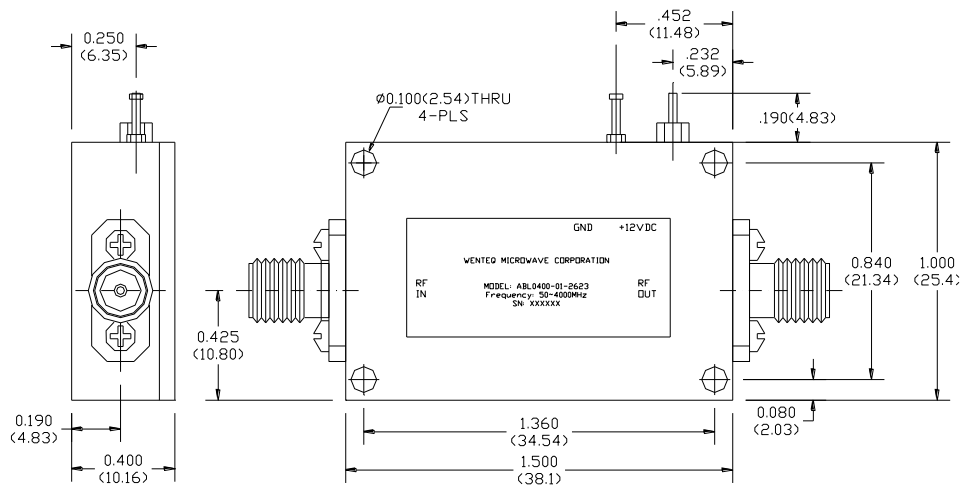
**Electrical Specifications**

Parameters	Specifications		
	Minimum	Typical	Maximum
Frequency Range	500 MHz		2000MHz
P-1dB Compression Point	+26 dBm	+28dBm	
Output IP3	+35 dBm	+38 dBm	
Nominal SS Gain @25°C	25 dB	27dB	30 dB
Gain flatness		+/-1.0 dB	+/-1.25 dB
Gain Variation		+/-1.0 dB	
Noise Figure		1.5dB	2.5dB
Input VSWR		1.8:1	2.2:1
Output VSWR		1.6:1	2.0:1
Reverse Isolation	45 dB	55dB	
Non-harmonic Spurious			-60 dBc
Operating Temperature	-40°C		+75°C
Survival Temperature	-55°C		+125°C
DC Voltage	+11.5V	+12 V	+13.0 V
DC Supply Current		250 mA	350 mA
In/Out connectors	SMA female		
Outline Dimensions (not including SMA and feed pin)	1.5"x1.0"x0.40"		

**Absolute Maximum Ratings**

DC Voltage	+13V
RF Input Power	+10dBm
Maximum Load VSWR	5:1
Storage Temperature	-55~+125°C
Operating Temperature	-40~+75°C

**Mechanical Structure:**



Note: All units in inches.