



RF Components

# Wideband Low Noise Amplifier

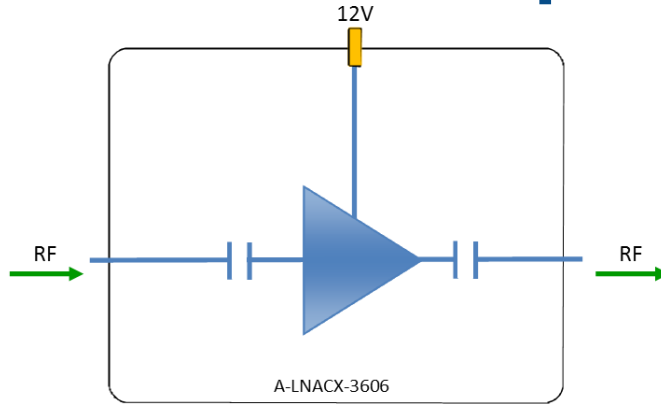
2-6 GHz

Model Number:  
**A-LNACX-3606**

- 42dB typ. gain and 1.5dB typ. noise figure
- Requires 12V external power

Available with RF connector options:

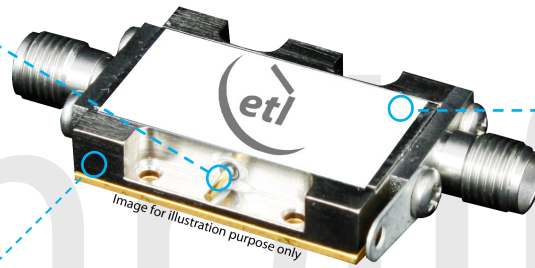
- 50 Ω SMA



**Compact**  
Housed in rugged compact enclosure

**12V**  
External DC powering

**2 - 6 GHz**  
Operating frequency range



RF Parameters		
A-LNACX-3606		S5S5
Frequency Range		2-6 GHz
RF Connectors		50Ω SMA
Gain (dB)	Typ.	42
	Min.	37
Flatness ± (dB)	Typ.	2.5
	Max.	3.5
Input VSWR	Typ.	1.5:1
	Max.	2.5:1
Output VSWR	Typ.	1.4:1
	Max.	2.1:1
Output P1dB GCP** (dBm)	Typ.	20
	Min.	17
Output IP3 (dBm)	Typ.	33
Noise Figure (dB)	Typ.	1.5
Isolation (dB)	Typ.	65

\*\*Gain Compression Point

**Broadcast**



**Marine Oil & Gas**



**SNG & VSAT**



**Satellite Teleport**



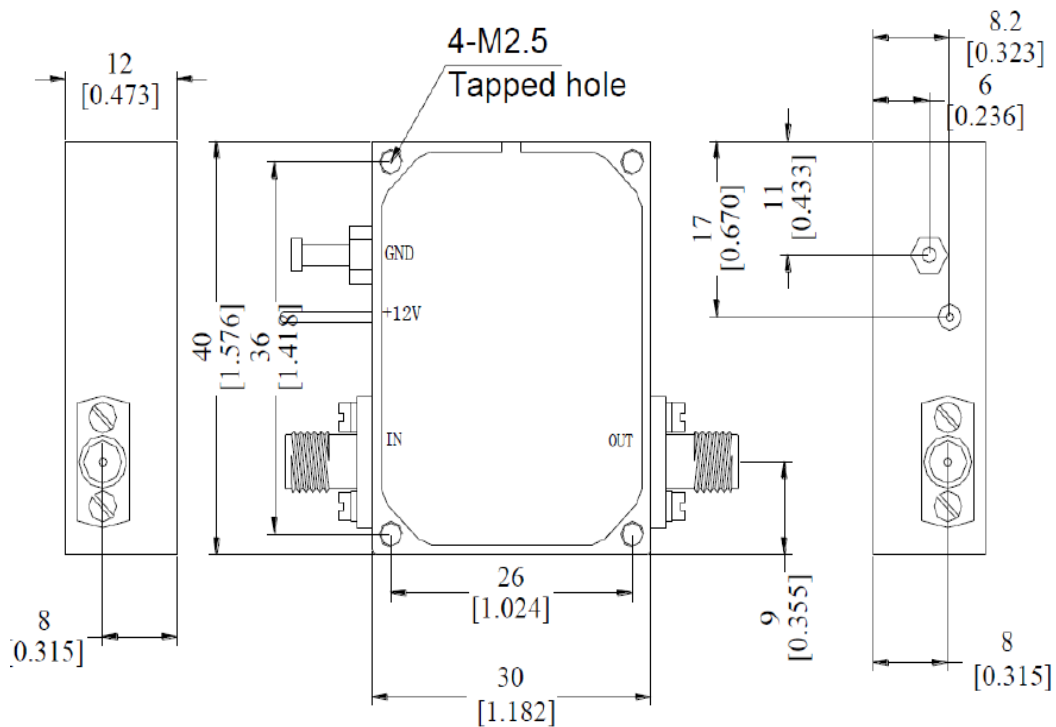
**Technical specifications and operating parameters**

Environmental	
Operating Temperature	-45°C to +85°C
Storage Temperature	-55°C to +125°C
Location	Indoor use Only

Max Operating Parameters	
Input RF Power	+5dBm
DC Voltage	12V
DC Current	N/A
DC Consumption	280mA

**!** Operation beyond these limits may cause instantaneous and permanent damage.

**Physical Dimensions in mm (inch)**  
**Note: Heat sink required during operation**



Note 1: The specification is subject to regular reviews and will be updated from time to time as part of our continuing product development and improved specification accuracy.