



RF Components

Wideband Low Noise Amplifier

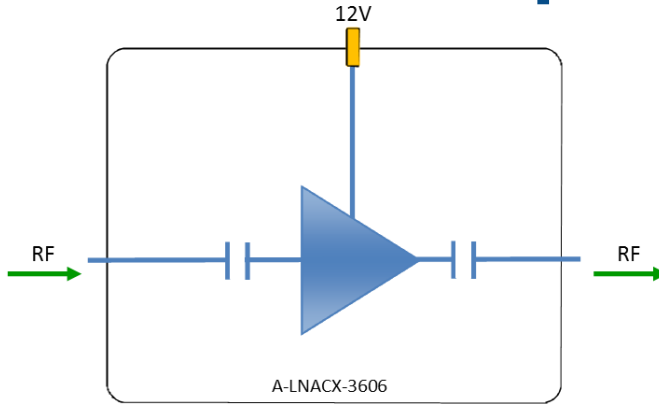
2-6 GHz

Model Number:
A-LNACX-3606

- 42dB typ. gain and 1.2dB typ. noise figure
- Requires 12V external power

Available with RF connector options:

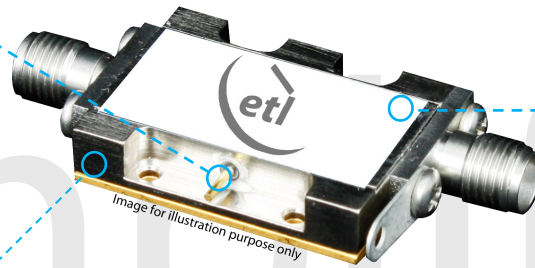
- 50 Ω SMA



Compact
Housed in rugged compact enclosure

12V
External DC powering

2 - 6 GHz
Operating frequency range. Wide-Band ready



RF Parameters		
A-LNACX-3606-XXXX		S5S5
Frequency Range		2-6 GHz
RF Connectors		50Ω SMA
Gain (dB)		42±6
Flatness ± (dB)		3.5
Input Return Loss (dB)	Typ.	13
	Min	7
Output Return Loss (dB)	Typ.	15
	Min	9
Output P1dB GCP** (dBm)	Typ.	22
	Min	20
Output IP3 (dBm)	Typ.	33
Noise Figure (dB)	Typ.	1.2
Isolation (dB)	Typ.	55
**Gain Compression Point		

Broadcast



Marine Oil & Gas



SNG & VSAT



Satellite Teleport





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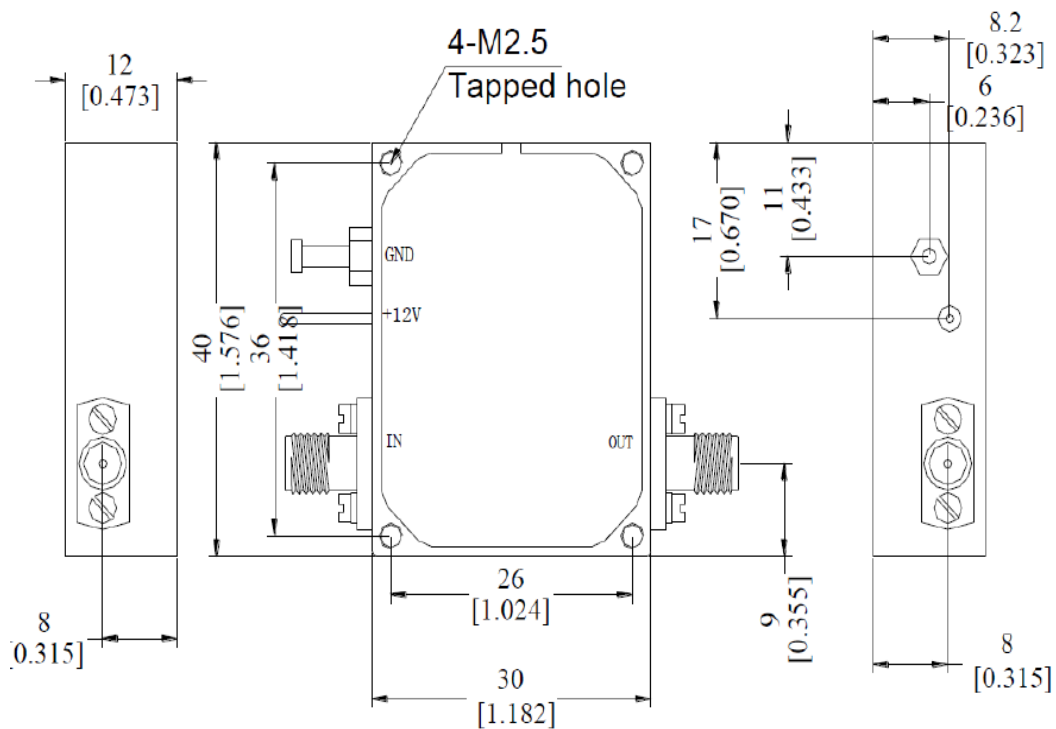
Technical specifications and operating parameters

Environmental		
Operating Temperature		-45°C to +85°C
Storage Temperature		-55°C to +125°C
Location		Indoor use Only
Humidity	Max	85% non-condensing
Altitude	Max	10,000 feet

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.

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