



Model Number:
A-LNAKX-3603

RF Components

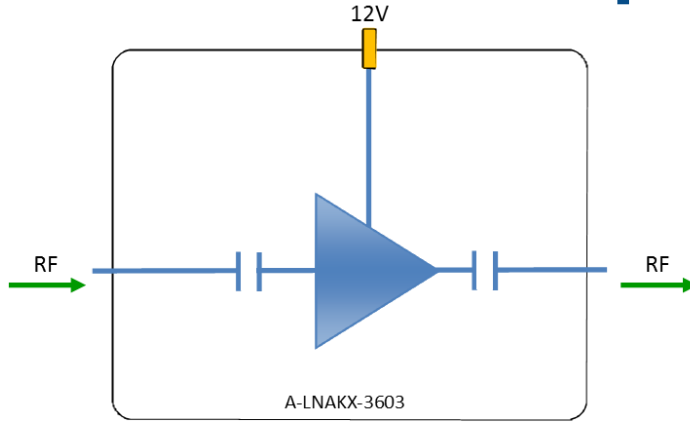
Wideband Low Noise Amplifier

6 - 18 GHz

- 40dB typ. gain and 3dB typ. noise figure
- Requires 12V external DC power

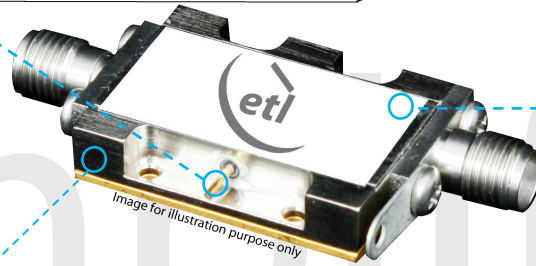
Available with RF connector options:

- 50 Ω SMA



Compact
Housed in rugged compact enclosure

12V
External DC powering



6 - 18 GHz
Operating frequency range. Wide-Band ready

RF Parameters	
A-LNAKX-3603-XXXX:	S5S5
Frequency Range	6-15 GHz
RF Connectors	50Ω SMA
Gain (dB)	42±1
Flatness ± (dB)	Typ. 2.5
Input Return Loss (dB)	Typ. 13
	Min. 11
Output Return Loss (dB)	Typ. 12
	Min. 10
Output P1dB GCP** (dBm)	Typ. 23
	Min. 22
Output IP3 (dBm)	Typ. 32
Noise Figure (dB)	Typ. 3
Isolation (dB)	Min. 60
**Gain Compression Point	

RF Parameters	
A-LNAKX-3603-XXXX:	S5S5
Frequency Range	15-18 GHz
RF Connectors	50Ω SMA
Gain (dB)	40±1
Flatness ± (dB)	Typ. 2
Input Return Loss (dB)	Typ. 11
	Min. 10
Output Return Loss (dB)	Typ. 13
	Min. 10
Output P1dB GCP** (dBm)	Typ. 22
	Min. 21
Output IP3 (dBm)	Typ. 31
Noise Figure (dB)	Typ. 3
Isolation (dB)	Min. 60
**Gain Compression Point	

Broadcast



Marine Oil & Gas



SNG & VSAT



Satellite Teleport



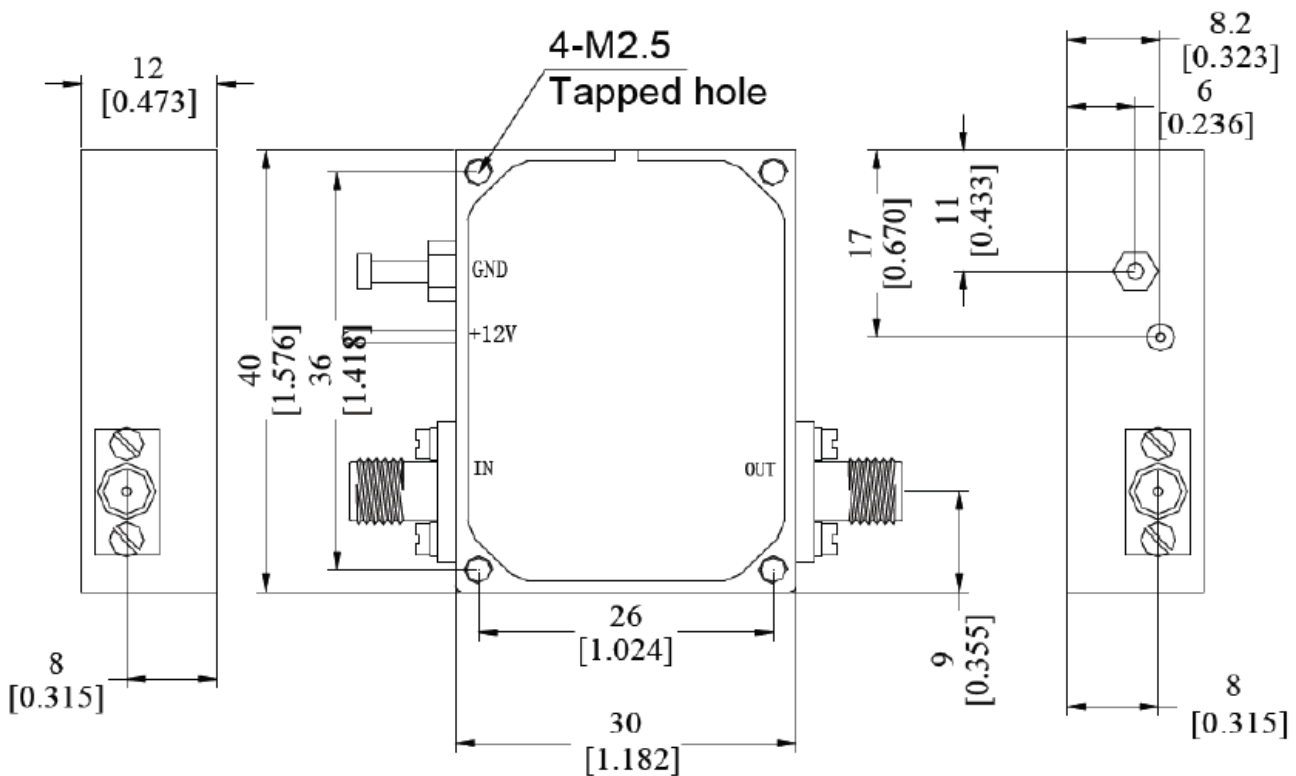
Technical specifications and operating parameters

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

Max Operating Parameters	
Input RF Power	-10dBm
DC Voltage	12V
DC Current	N/A
DC Consumption	300mA

! 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.