



Model Number:
A-LNACX-3607

RF Components

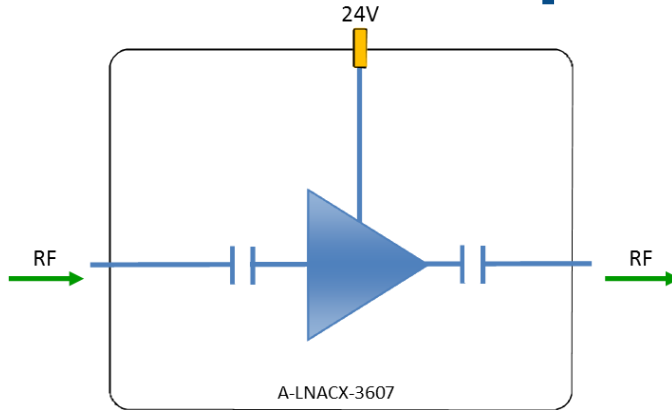
Wideband Low Noise Amplifier

1 - 7 GHz

- 42dB typ. gain and 1.2dB typ. noise figure
- Requires 24V external DC power

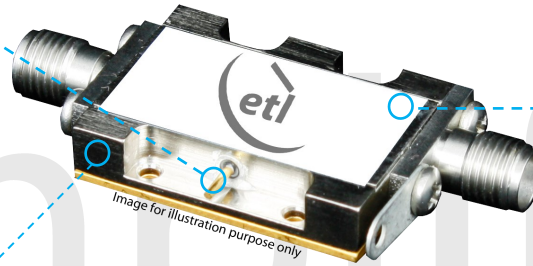
Available with RF connector options:

- 50 Ω SMA



Compact
Housed in rugged compact enclosure

24V
External DC powering



1 - 7 GHz
Operating frequency range. Wide-Band ready

RF Parameters			
A-LNACX-3607-XXXX		S5S5	
Frequency Range		1-2 GHz	
RF Connectors		50Ω SMA	
Gain (dB)	Typ.	42 ±13	
Flatness ± (dB)	Min	7.0	
Input Return Loss (dB)	Typ.	6	
	Min	4	
Output Return Loss (dB)	Typ.	3	
	Min	2	
Output P1dB GCP** (dBm)	Typ.	20	
	Min	16	
Output IP3 (dBm)	Typ.	28	
Noise Figure (dB)		1.5	
Isolation (dB)		60	
**Gain Compression Point			

RF Parameters			
A-LNACX-3607-XXXX		S5S5	
Frequency Range		2-7 GHz	
RF Connectors		50Ω SMA	
Gain (dB)	Typ.	42±6	
Flatness ± (dB)	Min	4.5	
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)		1.2	
Isolation (dB)		60	
**Gain Compression Point			

Broadcast



Marine Oil & Gas



SNG & VSAT



Satellite Teleport





RF Components

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Wideband Low Noise Amplifier

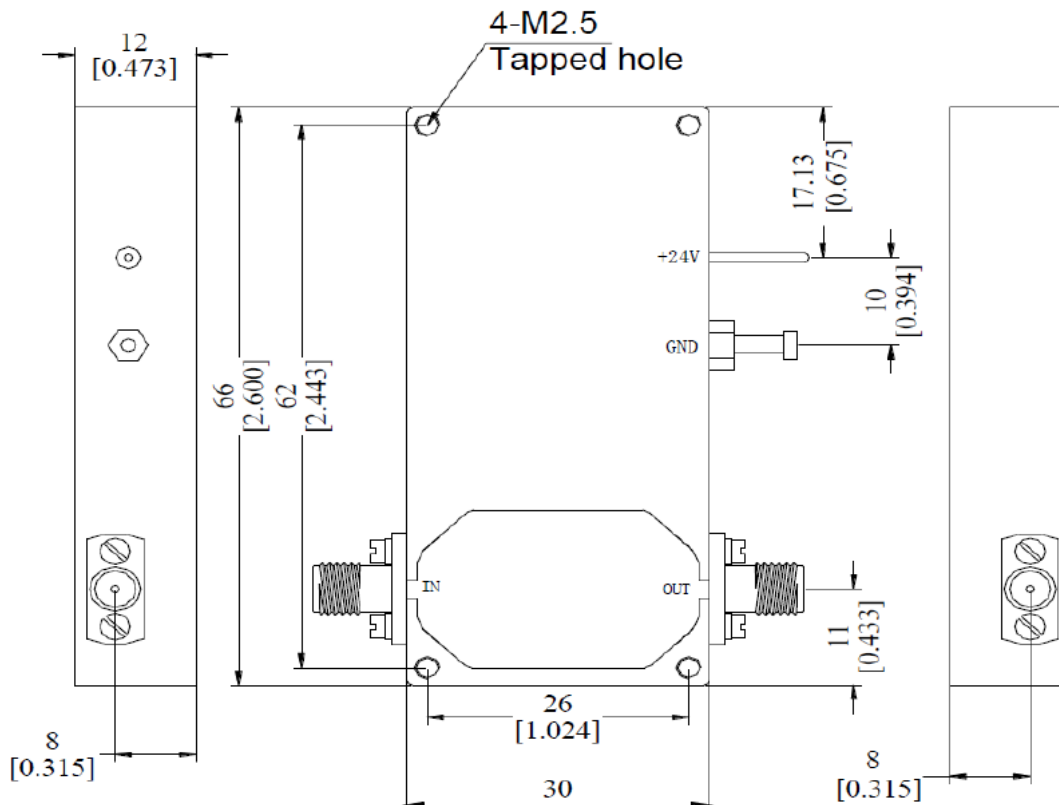
Technical specifications and operating parameters

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	+2dBm
DC Voltage	24V
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.

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