



Model Number:
A-LNAKX-363010

RF Components

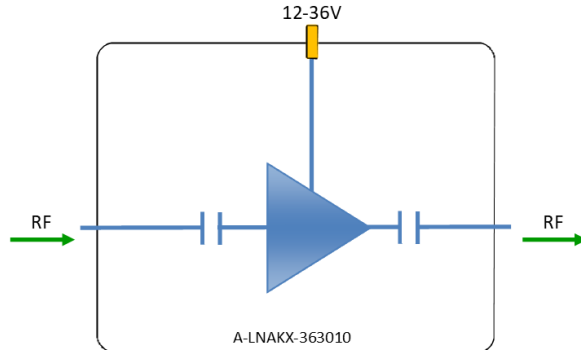
Ka-Band Low Noise Amplifier

27-31 GHz

- 20 dB gain and 2.0dB typ. noise figure full band.
- Requires 12– 36 V external DC power

Available with RF connector options:

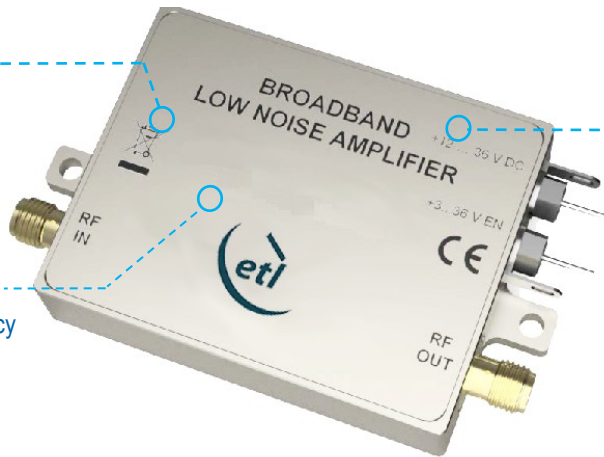
- 50 Ω 2.92mm



Compact
Housed in rugged compact enclosure

12-36 V
External DC powering

27-31 GHz
Operating frequency range. Ka-Band ready



Technical specifications and operating parameters

RF Parameters		
A-LNAKX-363010-XXXX		K5K5
Frequency Range		27-31 GHz
RF Connectors		50Ω 2.92mm
Mean Gain (dB)	Min	20
Gain Flatness(± dB)	Typ	1.0
Return Loss (dB)	Min	8
Output P1dB GCP** (dBm)	Typ	16
	Min	10
OIP 3 (dBm)	Min	20
Noise Figure* (dB)	Typ	2.0
* Noise figure @ 18°C **Gain Compression Point		

Environmental		
Operating Temperature		-20°C to +65°C
Storage Temperature		-20°C to +65°C
Location		Indoor use Only
Humidity	Max	85% non-condensing
Altitude	Max	10,000 feet

Max Operating Parameters	
Input RF Power	0dBm
DC Voltage	12 –36V
DC Current	N/A
DC Consumption	250 mA

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

Broadcast



Marine Oil & Gas



SNG & VSAT



Satellite Teleport

