Atlantic Microwave
An ETL Systems Company

A-LNAKX-380039-K5K5

Low Noise Amplifier

- Radar Systems
- Communication Systems
- Receiver Systems

RF Parameters				
	Min	**Typ**	**Max**	**Unit**
Frequency Range	25		40	GHz
Gain	29	30		dB
Gain Flatness		±1.5	±2.0	dB
Input VSWR		1.8	2.5	:1
Output VSWR		1.8	2.2	:1
Output Power for 1 dB Compression (P1dB)	5	10		dBm
Noise Figure		4	5	dB
OIP3		20		dBm
Input Max Power (no damage)			-15	dBm
DC Current (Vcc=+12V)		50		mA
Impedance	50			Ohms
Input / Output Connector	2.92 mm			

**** Heat Sink required during operation but not included****

Note 1: The specification provided is at nominal bias voltage and at 25˚C unless otherwise specified
Note 2: The specification is subject to regular reviews and will be updated from time to time as part of our continuing product development and improved spec accuracy.
Note 3: Operation beyond the quoted limits stated above may cause instantaneous and permanent damage.

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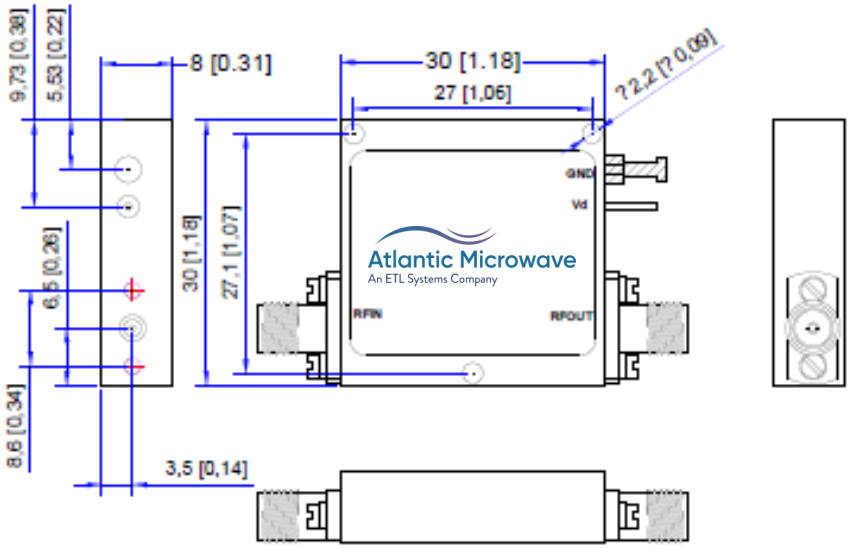
Environmental	
Operating Temperature	-45˚C to +85˚C
Storage Temperature	-55˚C to +125˚C
Vibration	25g rms (15 degree 2KHz) endurance, 1 hour per axis
Humidity	100% RH at 35°C, 95% RH at 40°C max.
Shock	20G for 11msc half sine wave, 3 axis both directions
Material	Aluminium / Gold Plating
Weight	50g
Package Sealing	General Sealing (Standard)

Absolute Maximum Ratings	
Supply Bias Voltage	+12V
RF Input Power	-15dBm
ESD Sensitivity (HBm)	Class 0, passed 150V

All Dimensions in mm (inches)
Tolerance +/- 0.25 (0.01)

OBSERVE PRECAUTIONS
ELECTROSTATIC SENSITIVE
DEVICES

RoHS Compliant



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