



# RF-LAMBDA

The power beyond expectations

**RAMPO2G08GA**

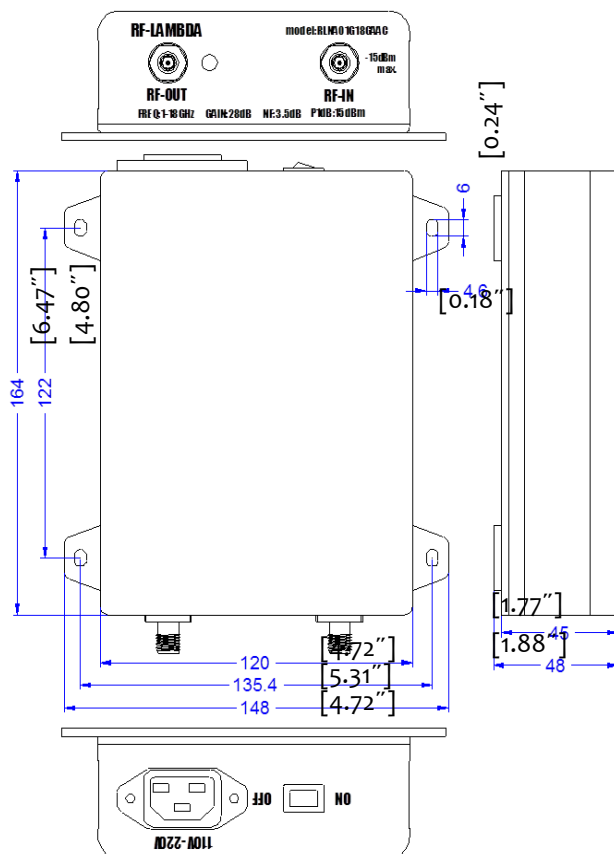
## AC Model Ultra Wide Band Low Noise Amplifier 2.0GHz~8.0GHz

- High Gain 35dB
- Applicable for base station, repeaters of cellular network
- LMDS multi-carrier operation
- Aerospace and military applications
- High Peak to average handle capability
- High Linearity and low noise figure
- All specifications can be modified upon request



Electrical Specifications			
Frequency :	2.0GHz-8.0GHz	P1dB	30dBm
Noise Figure:	5.0@6GHz	Out IP3:	40dBm
Gain:	35dB $\Delta G/\Delta T=0.03\text{dB}/^\circ\text{C}$	Output VSWR:	2.5 : 1
Gain Flatness:	+/-2.0dB	Input VSWR:	2.5 : 1
Input Power:	-5dBm(max)	Power :	110VAC/220VAC

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Mechanical Environmental Spec.	
Operation Temperature:	-40°C to 85°C base plate
Vibration:	14.2g RMS (15-2000Hz) functional
	16.2g RMS (15-2000Hz) endurance, 1 hour /axis
Connectors:	RF SMA-F / N-F Removable
	Supply RFI filter solder Pin (or 110V AC power plug)
Mechanical shock	30G, 11mSec half sin wave, 3 axis both directions
Humidity	95% relative humidity, 65°C 96Hour
MTBF	50000 hour min
Case:	Conductive no paint
Dimension (L x W x H):	See Drawing (DC model) 7.87" X 4.72" X 1.00" (AC model)