



RF-LAMBDA

The power beyond expectations

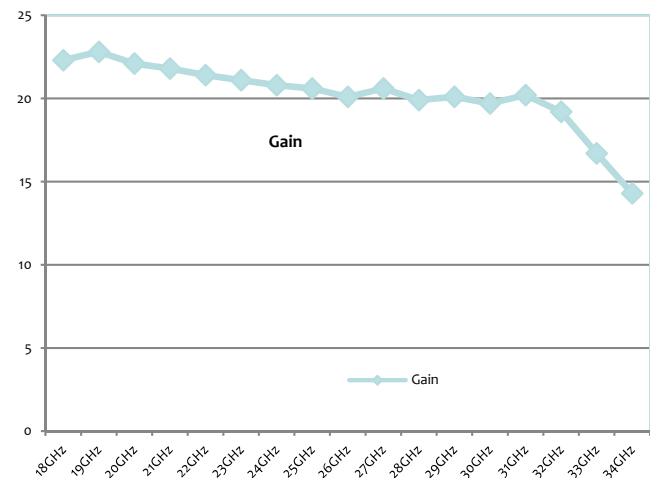
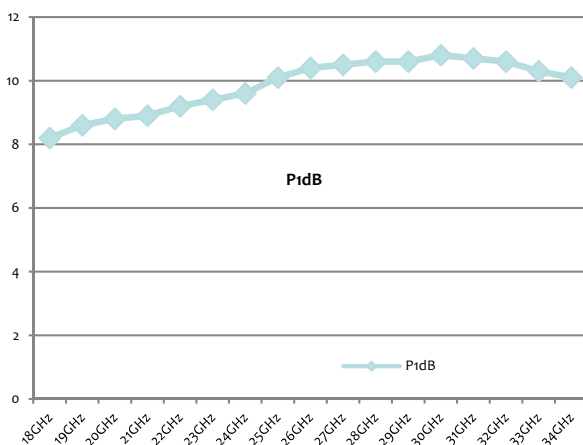
RLNA18G32G

Low Noise Amplifier 18GHz~32GHz

- High Gain 22dB
- Applicable for base station, repeaters of cellular network
- Aerospace and military application
- LMDS multi-carrier operation
- High Peak to average handle capability
- High Linearity and low noise figure
- All specifications can be modified upon request



Electrical Specifications			
Frequency Range:	18GHz~32GHz	P1dB	+10dBm typ.
Noise Figure:	2.8dB typ. 3.8dB Max	Out IP3:	+20dBm
Gain:	20dB typ.	Output VSWR:	1.5 : 1
Flatness:	+/-1.0dB	Input VSWR:	1.5 : 1
Input Power	-17dBm (Max)	DC Voltage:	+12V VDC /100mA max
Mechanical and Environmental Specifications			
Operation Temperature:	-40°C to 85°C base plate	Mechanical shock	30G, 11mSec half sin wave, 3 axis both directions
Vibration:	14.2g RMS (15-2000Hz) functional	Humidity	95% relative humidity, 65°C 96Hour
	16.2g RMS (15-2000Hz) endurance, 1 hour per axis	MTBF	50000 hour min
Connectors:	RF SMA-F Removable	Case:	Conductive no paint
	Supply RFI filter solder Pin	Dimension Size (L x W x H):	1.36" x 0.66" x 0.33" 34.5mm x 16.8mm x 8.4mm



Heat Sink required during operation.

Narrow Band Low Noise Amplifier 18GHz~32GHz



RF-LAMBDA

The power beyond expectations

RLNA18G32G

Narrow Band Low Noise Amplifier 18GHz~32GHz

