



ALC-Automatic Level Control OdBm Output Ultra Wide Band 0.1GHz~6GHz Amplifier



- Ultra Wide Band 0.1-6.0GHz
- Input power dynamic range 60dB
- Max. Noise Figure cross dynamic range 5dB
- Low Noise Figure: 2.5dB typical.
- Dynamic Range≤60dB
- No External Matching Required
- Applicable for base station ,repeaters of cellular network
- Aerospace and military application
- LMDS multi-carrier operation
- High peak to average handle capability
- All specifications can be modified upon request

Specification	ALC-Automatic Level Control odBm Output Ultra Wide Band 0.1GHz~6GHz Amplifier		
	PN: RLNA04M06GETS		
	Low	Typical	High
Frequency Range(GHz)	0.1	-	6
Gain Flatness(dB)		+/-1.5	+/-2.5
Noise Figure(dB)		2.5	5.0
Input level(dBm)	-65	-	0
VSWR (input)	-	2.0	2.5
VSWR (output)	-	1.5	1.0
Output Stabilization (dBm)	-	+/-0.25	+/-0.5
Response Time(us)	-	10	40
IMD ₃ (dBc)	-65	-35	-20
Operating current(mA)		500	650
Impedance(Ohms)	50Ω		
Power Supply (V)	+5 V DC		
Finishing	Nickel Plating		
Material	Aluminum		
Seal	Hermetically Sealed (option)		

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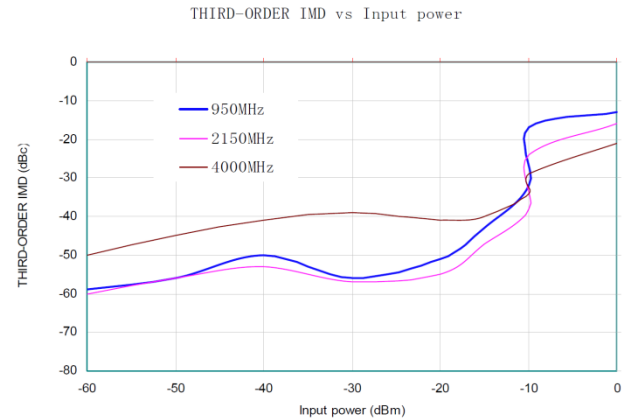
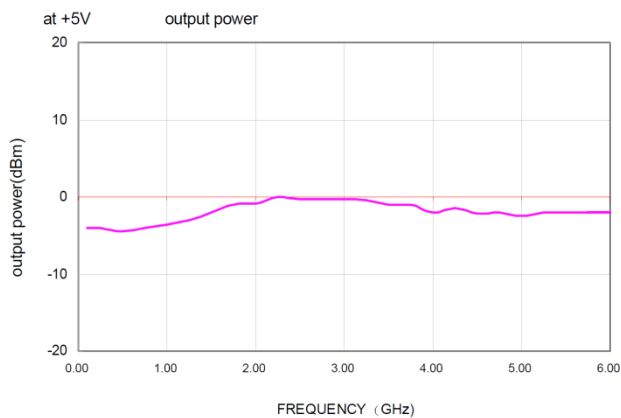
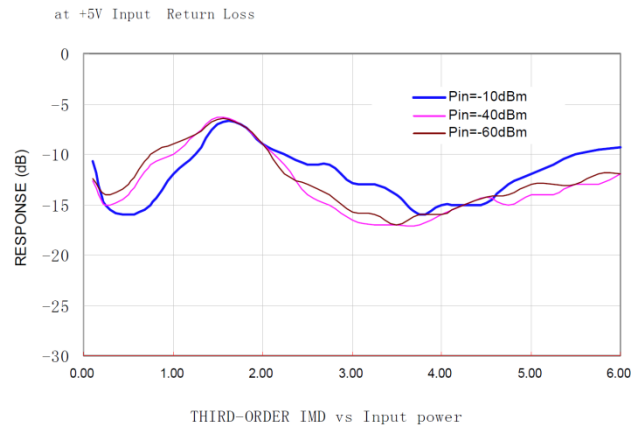
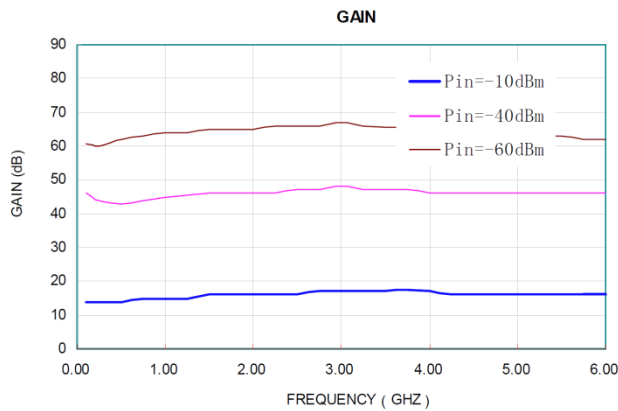
The power beyond expectations

RLNA04M06GETS

Ordering Information		
Part No	ECCN	Description
RLNA04M06GETS	EAR99	0.1-6GHz LNA Amplifier

Biasing Up Procedure	
Step 1	Connect input and output
Step 2	Connect Ground Pin
Step 3	Connect +12V biasing
Power OFF Procedure	
Step 1	Turn off +12V biasing
Step 2	Remove RF connection
Step 3	Remove Ground.

Environment specifications	
Operational Temperature (C°)	-20 ~ +70
Storage Temperature (C°)	-55 ~ +100
Voltage Limit	+5.5V
Altitude	30,000 ft (Controlled environment)
Vibration	25g rms (15 degree 2KHz) endurance, 1 hour per axis
Humidity	100% RH at 35c, 95%RH at 40 deg c
Shock	20G for 11msc half sin wave, 3 axis both directions



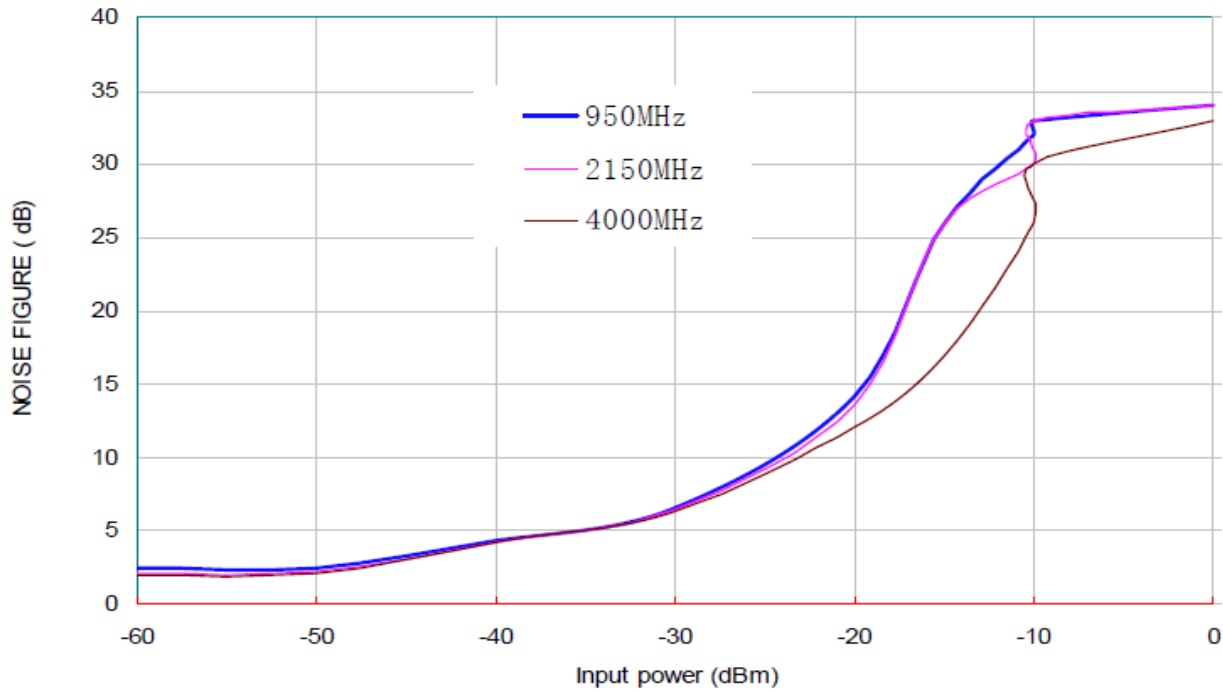
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900MHz@Pin=-60dBm

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940MHz@Pin=-40dBm

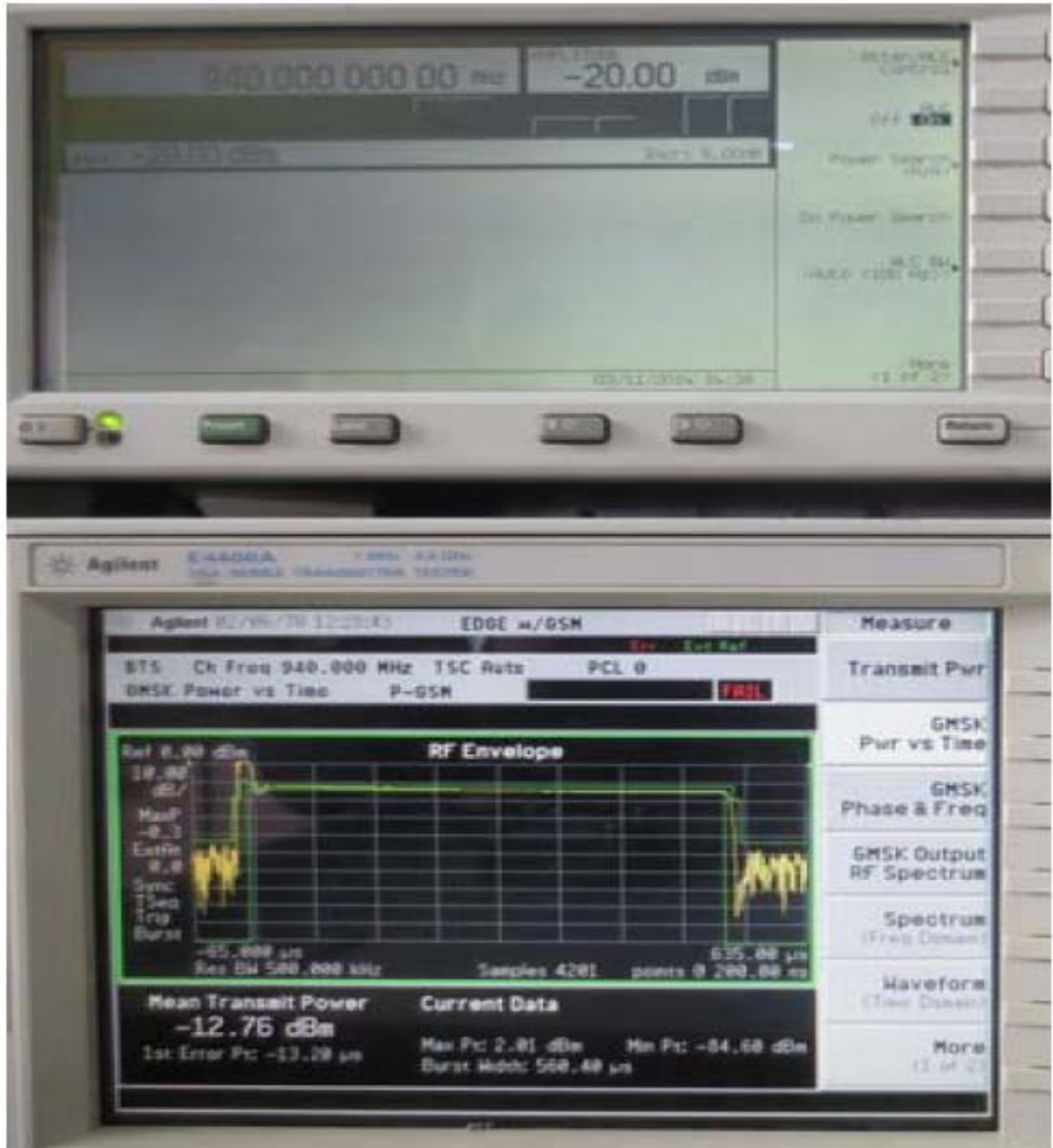
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940MHz@Pin=-20dBm

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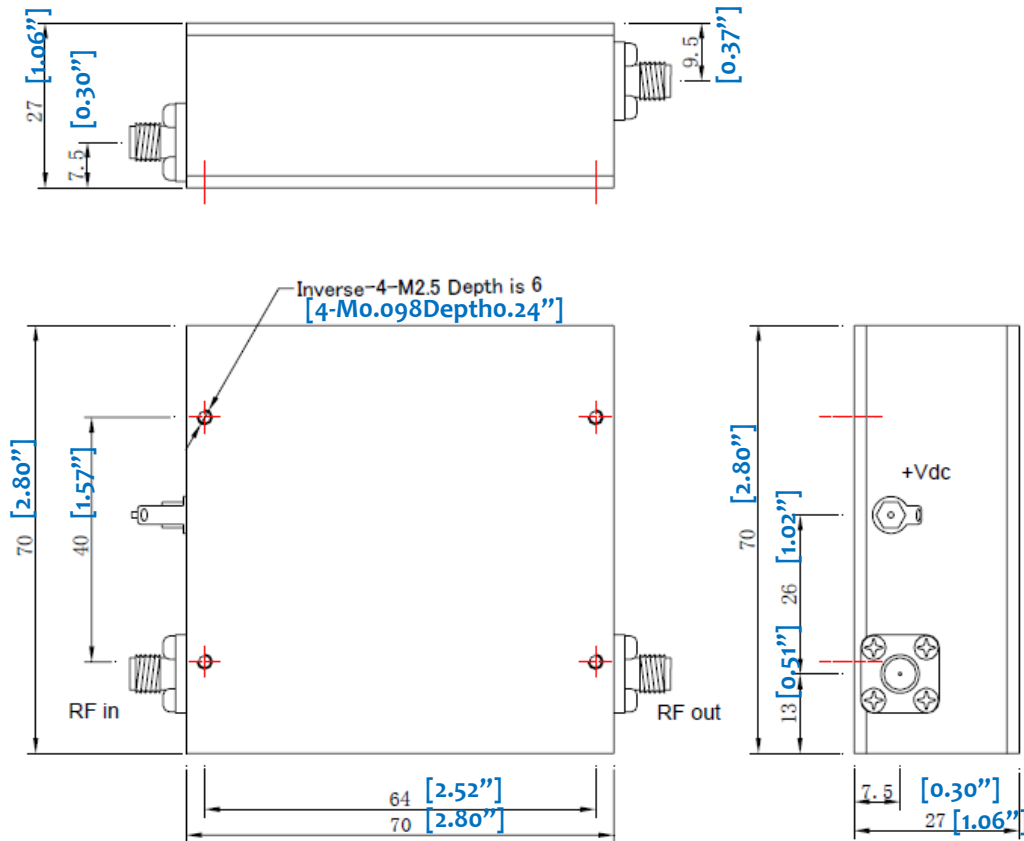


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Heat Sink required during operation.



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