

# NBL00437

## 8-15 GHZ BROAD BAND LOW NOISE AMPLIFIER

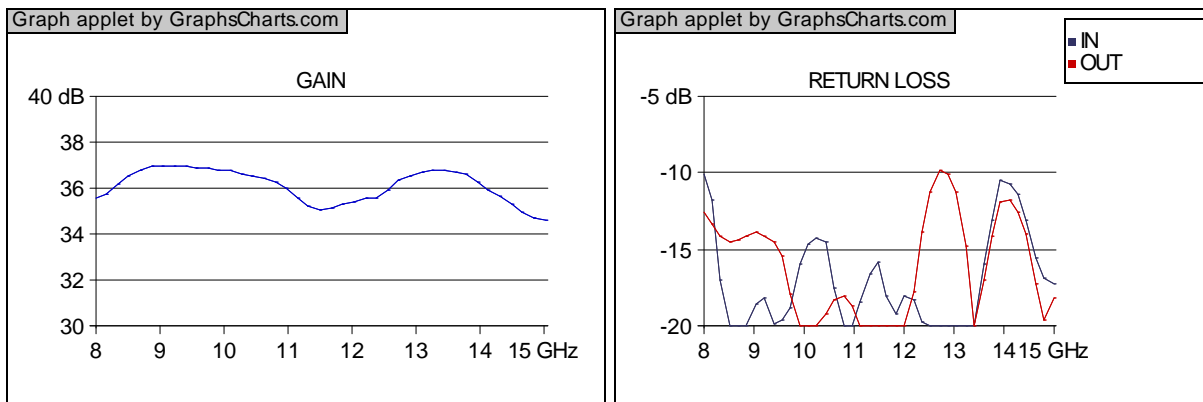
**Features:**

- Thin Film Hybrid MIC Process
- Field Replaceable SMA Connectors
- Reverse Bias Protection

**Electrical Performance**

Parameter	Min.	Typ.	Max.	Unit	Note
Frequency	8		15	GHz	
Gain	30			dB	
Gain Flatness			1.5	dB(+/-)	
Noise Figure		3	5	dB	
Power @ 1dB Gain Compression Point	25			dBm	
VSWR Input			2.0		
VSWR Output			2.0		
DC Supply Voltage	10	12	17	V	
Supplied Current			500	mA	

**Typical Test Data**



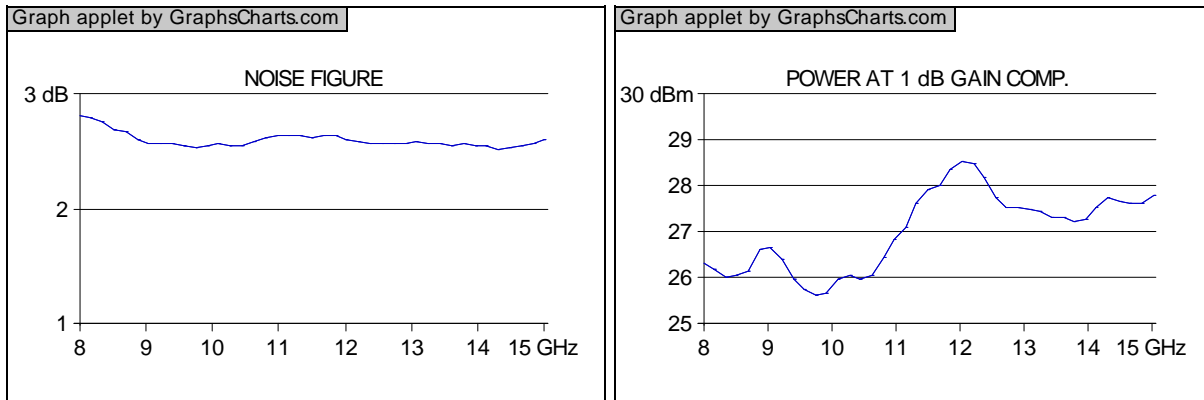
Updated: 6/13/2013



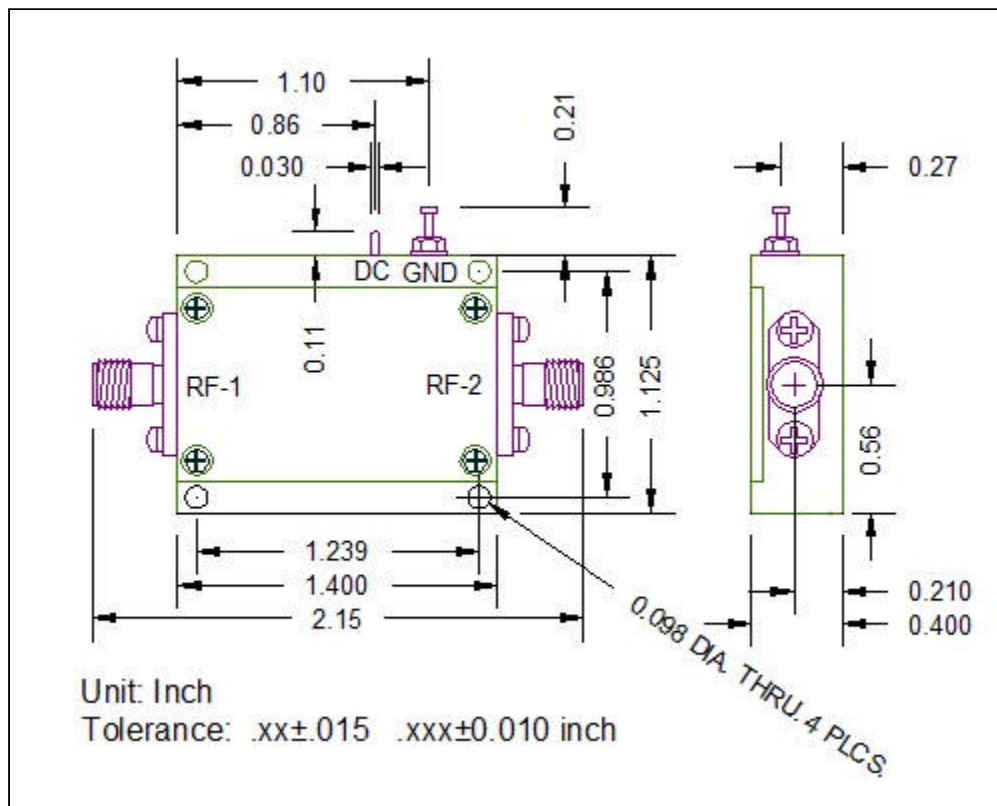
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### Outline Drawing



Connector	Type	Pin #	Pin Name	In/Out	Description
RF-1	SMA-F	1	IN	I	RF SIGNAL INPUT
RF-2	SMA-F	1	OUT	O	RF SIGNAL OUTPUT
DC	EMI Filter	1	+12 V	I	DC INPUT (+10 TO +17 V)

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GND      GROUND LUG      1 GND      O      GROUND

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