

NLC00447

3.4-4.2 GHZ 25 DB GAIN LOW NOISE AMPLIFIER

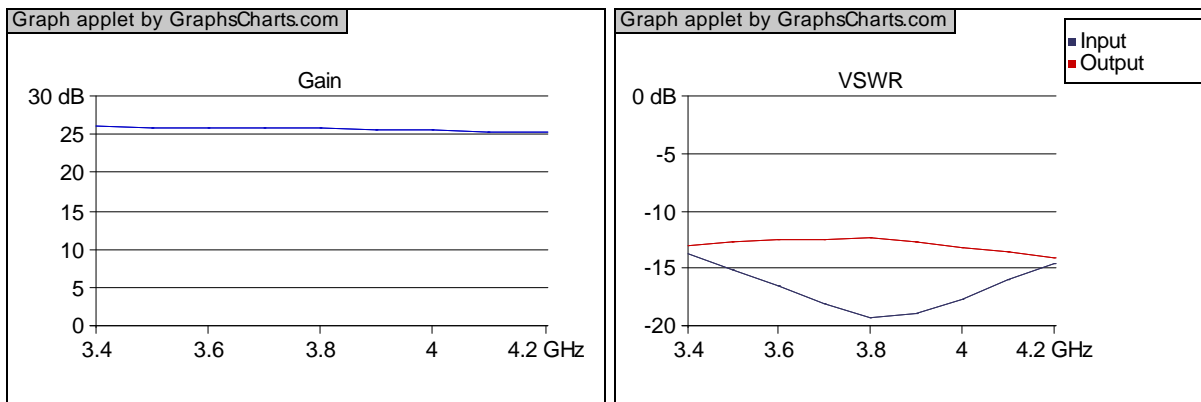
Features:

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

Electrical Performance

Parameter	Min.	Typ.	Max.	Unit	Note
Frequency	3.4		4.2	GHz	
Gain	25			dB	
Gain Flatness			0.5	dB(+/-)	
Power @ 1dB Gain Compression Point	20			dBm	
Output 3rd Order Intercept Point	27	30		dBm	
VSWR Input			1.5		
VSWR Output			1.5		
Noise Figure			3.5	dB	
DC Supply Voltage	10	12	17	V	
Supplied Current			200	mA	

Typical Test Data



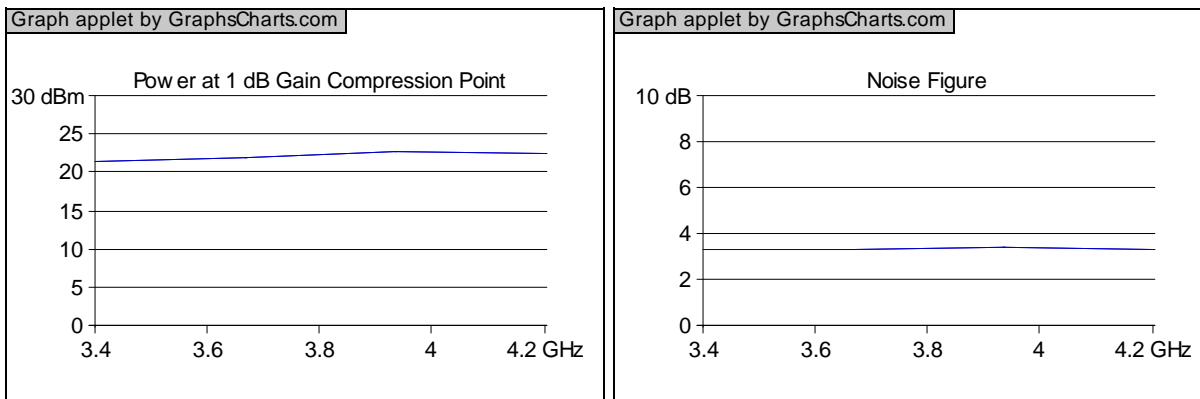
Updated: 9/6/2012



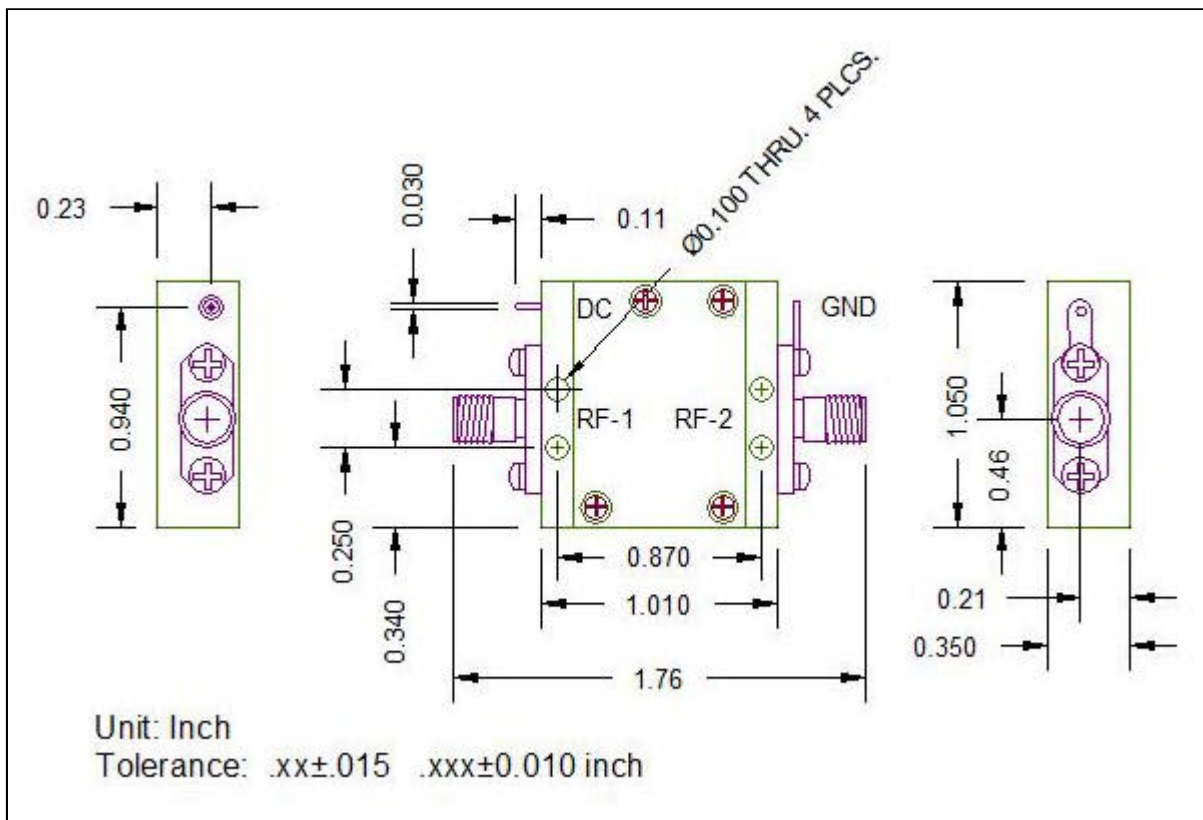
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Outline Drawing



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

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GND GROUND LUG 1 GND O Ground

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