

NLC00408

8-10 GHZ 17 DB GAIN LOW NOISE AMPLIFIER

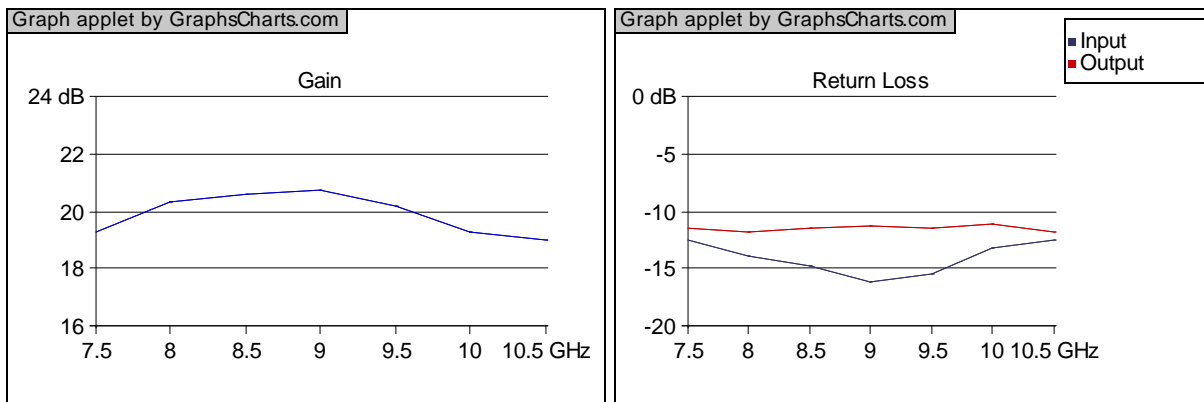
Features:

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

Electrical Performance

Parameter	Min.	Typ.	Max.	Unit	Note
Frequency	8		10	GHz	
Gain	17	19		dB	
Gain Flatness			0.7	dB(+/-)	
Noise Figure		2.4	3.0	dB	
Power @ 1dB Gain Compression Point	12	13		dBm	
VSWR Input		2.0			
VSWR Output		2.0			
DC Supply Voltage	10	15	17	V	
Supplied Current		50	70	mA	

Typical Test Data



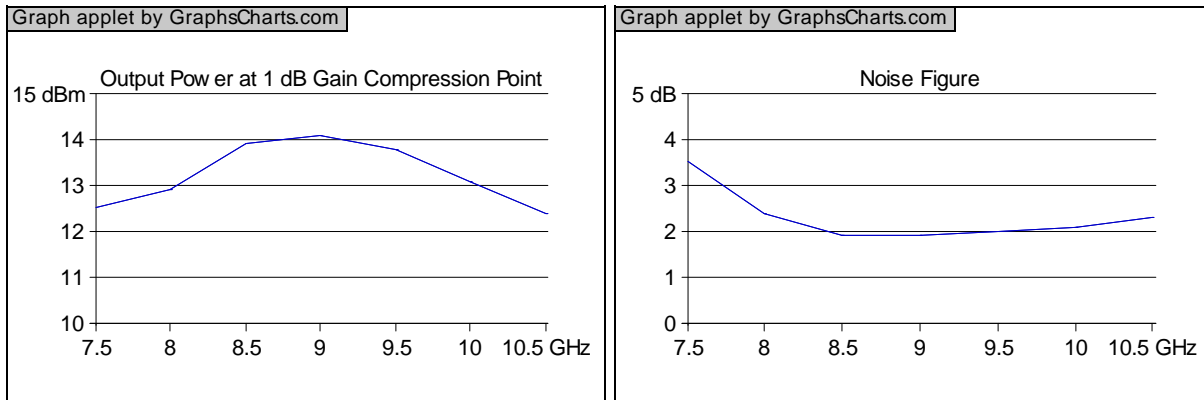
Updated: 9/6/2012



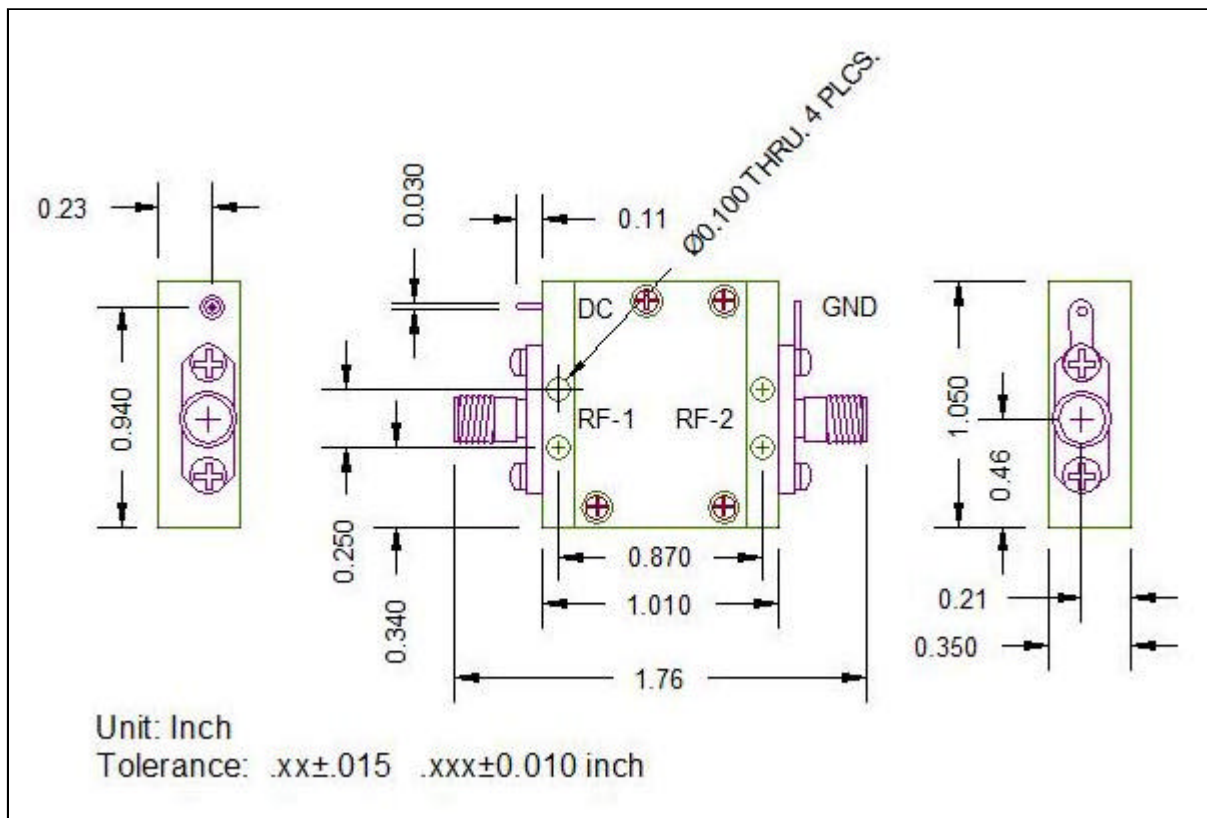
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Outline Drawing



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 (+10 TO +17 V)

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GND GROUND LUG 1 GND O GROUND

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