

NB00434

4-8 GHZ 0.5 W AMPLIFIER

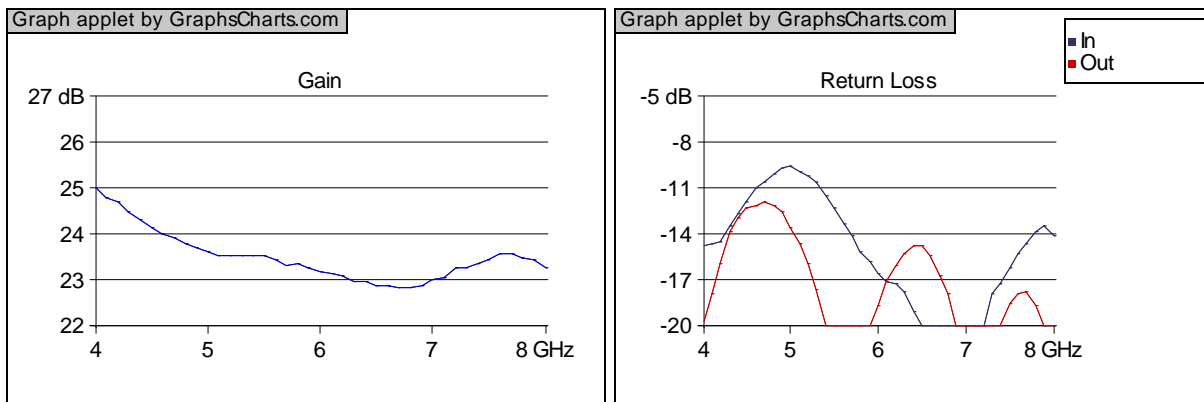
Features:

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

Electrical Performance

Parameter	Min.	Typ.	Max.	Unit	Note
Frequency	4		8	GHz	
Gain	22	24		dB	
Gain Flatness			1	dB(+/-)	
Power @ 1dB Gain Compression Point	26.5	27.5		dBm	
Output 3rd Order Intercept Point	35	37		dBm	
Noise Figure			5.5	dB	
VSWR Input			2.0		
VSWR Output			2.0		
DC Supply Voltage	10.5	12.0	15.0	V	
Supplied Current			400	mA	

Typical Test Data



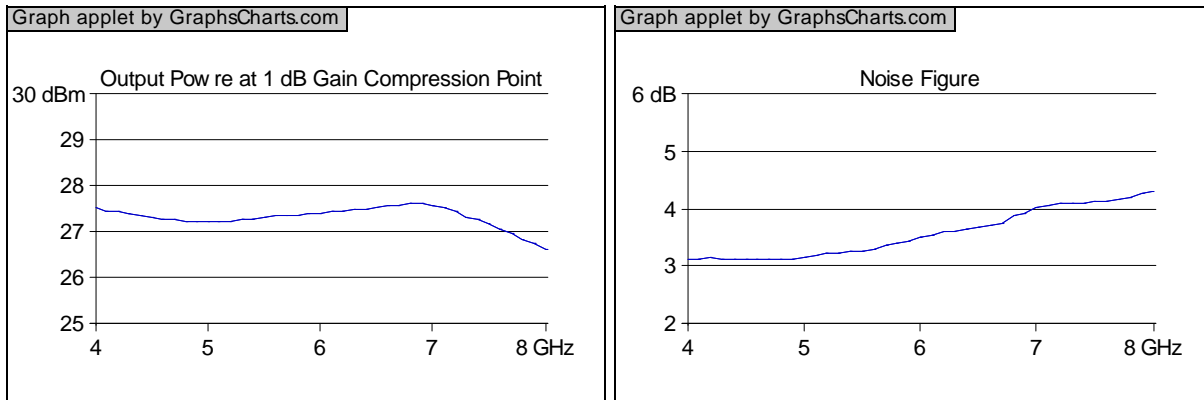
Updated: 9/6/2012



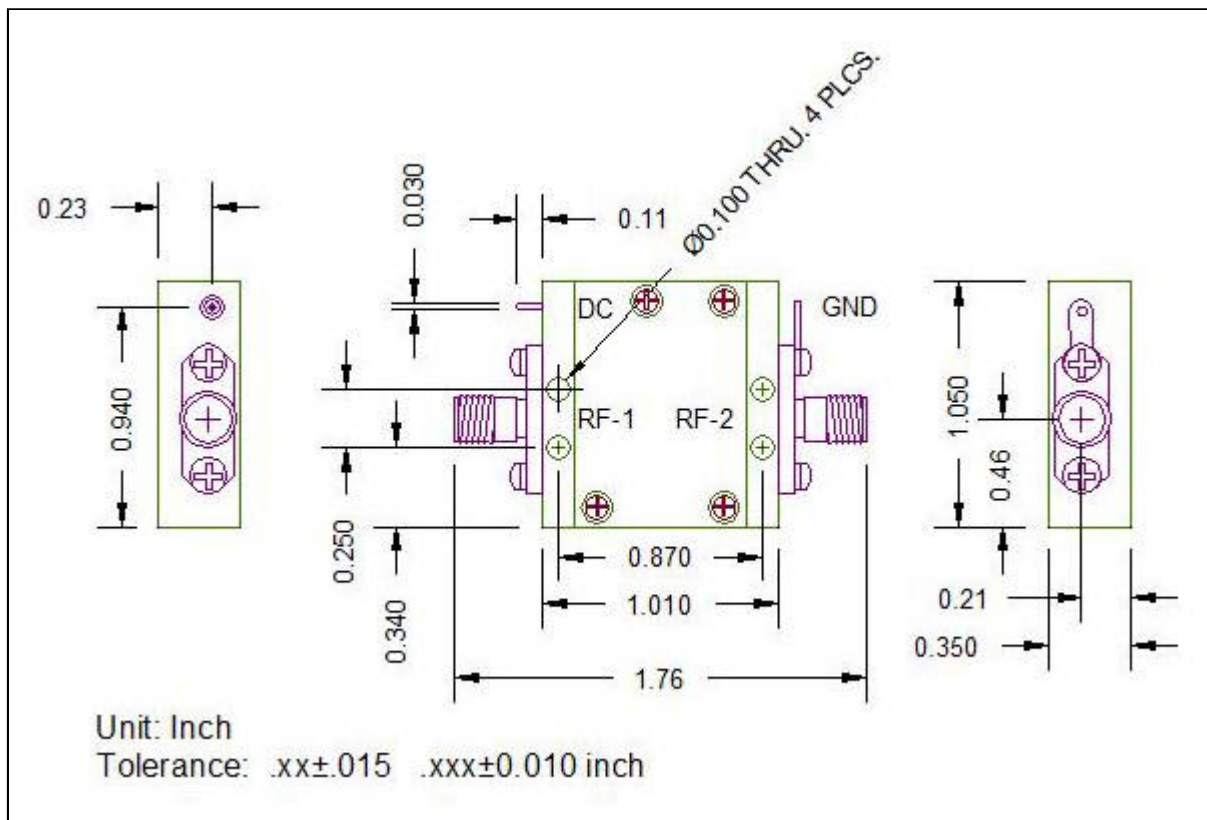
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Outline Drawing



Connector	Type	Pin #	Pin Name	In/Out	Description
RF-1	SMA-F	1	IN	I	RF SIGNAL INPUT
RF-2	SMA-F	1	OUT	O	RF SIGNAL OUTPUT
DC	EMI Filter	1	+12V	I	DC SUPPLY (10.5 - 15.0 V)

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GND GROUND LUG 1 GND O GROUND

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