

NB00531A

4-8 GHz 1.5 W BROADBAND AMPLIFIER

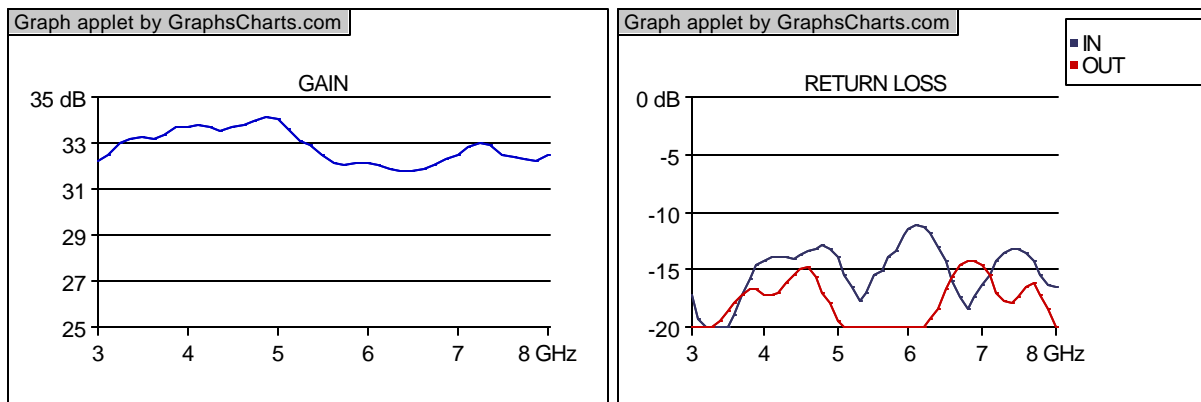
Features:

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

Electrical Performance

Parameter	Min.	Typ.	Max.	Unit	Note
Frequency	4		8	GHz	
Gain	31	33		dB	
Gain Flatness			1.5	dB(+/-)	
Power @ 1dB Gain Compression Point	31.5	32		dBm	
Output 3rd Order Intercept Point		40		dBm	
Noise Figure		5	8	dB	
VSWR Input		1.8	2.0		
VSWR Output		1.8	2.0		
DC Supply Voltage	12		18	V	
Supplied Current		0.85	1.2	A	

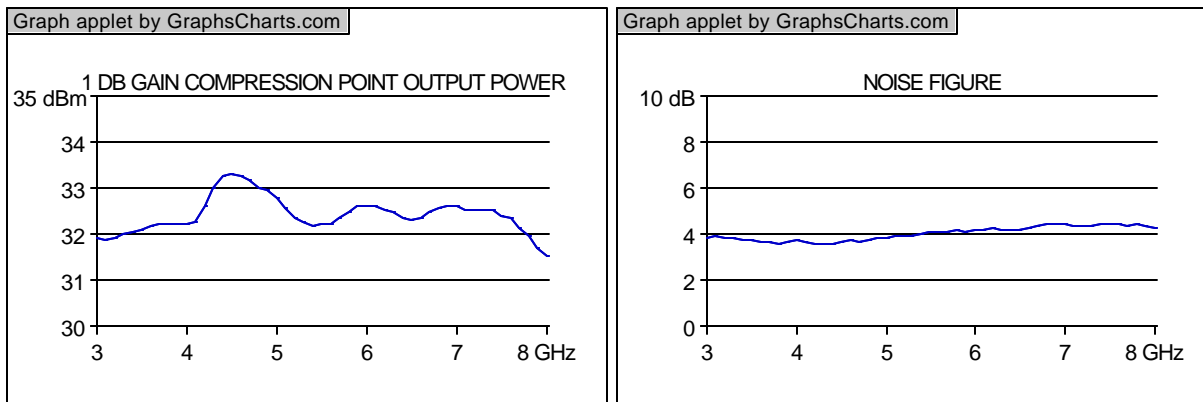
Typical Test Data



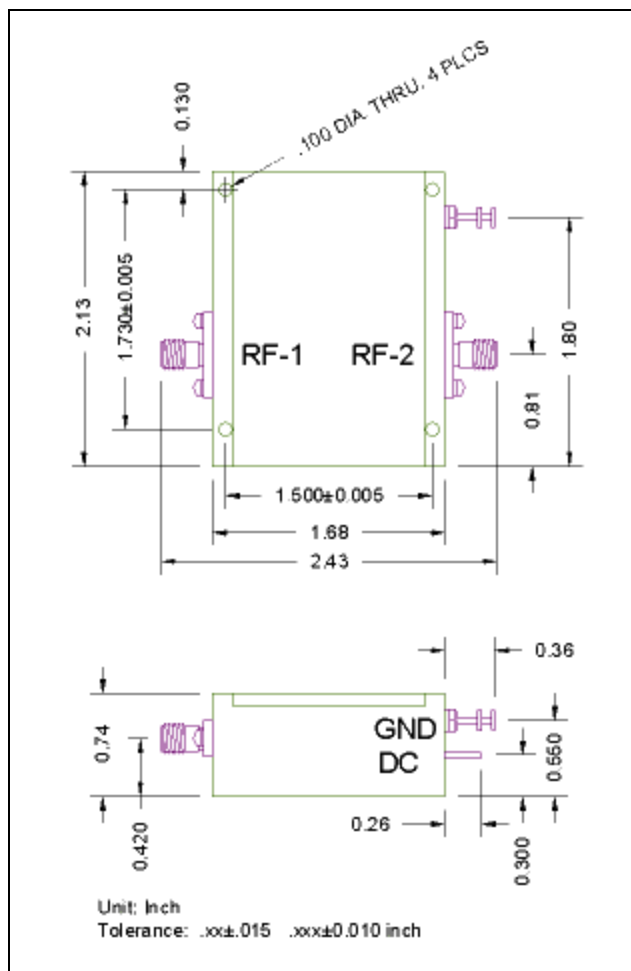
Updated: 3/2/2010

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Outline Drawing



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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 INPUT
GND	GROUND LUG	1	GND	O	GROUND

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