

**8-14 GHz 1 W Power Amplifier**

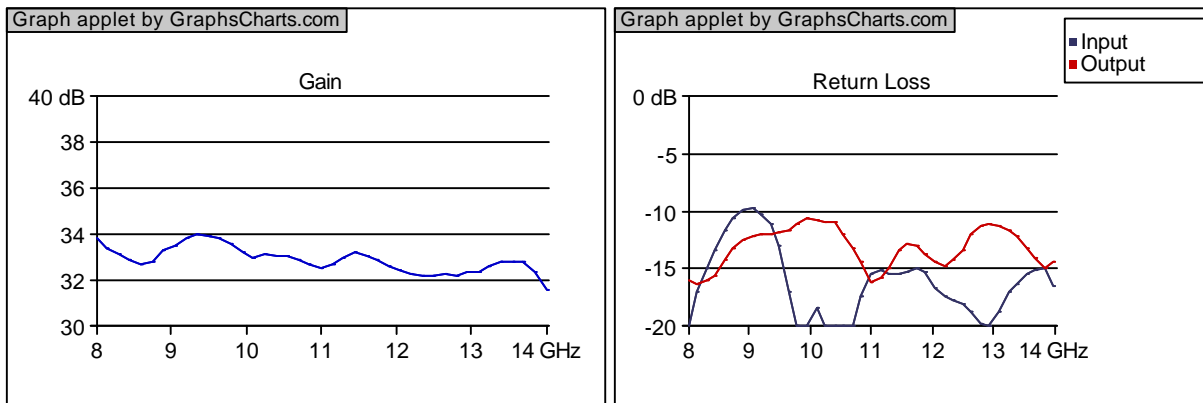
**Features:**

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

**Electrical Performance**

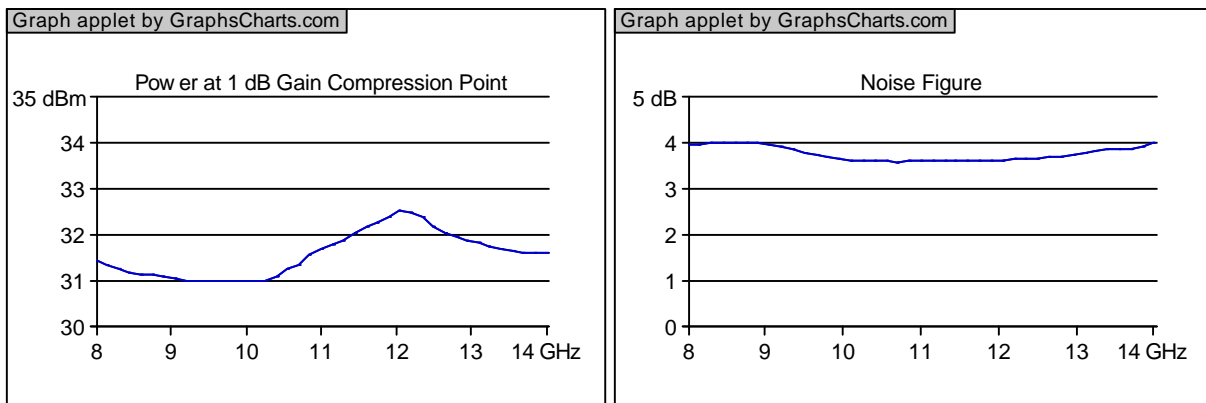
Parameter	Min.	Typ.	Max.	Unit	Note
Frequency	8		14	GHz	
Gain	30			dB	
Gain Flatness			1.5	dB(+/-)	
Power @ 1dB Gain Compression Point	29.5	30		dBm	
Output 3rd Order Intercept Point	37	38		dBm	
Noise Figure		4.4	5	dB	
VSWR Input			2.0		
VSWR Output			2.0		
Supplied Current		1.0	1.2	A	
DC Supply Voltage	12	12	18	V	

**Typical Test Data**

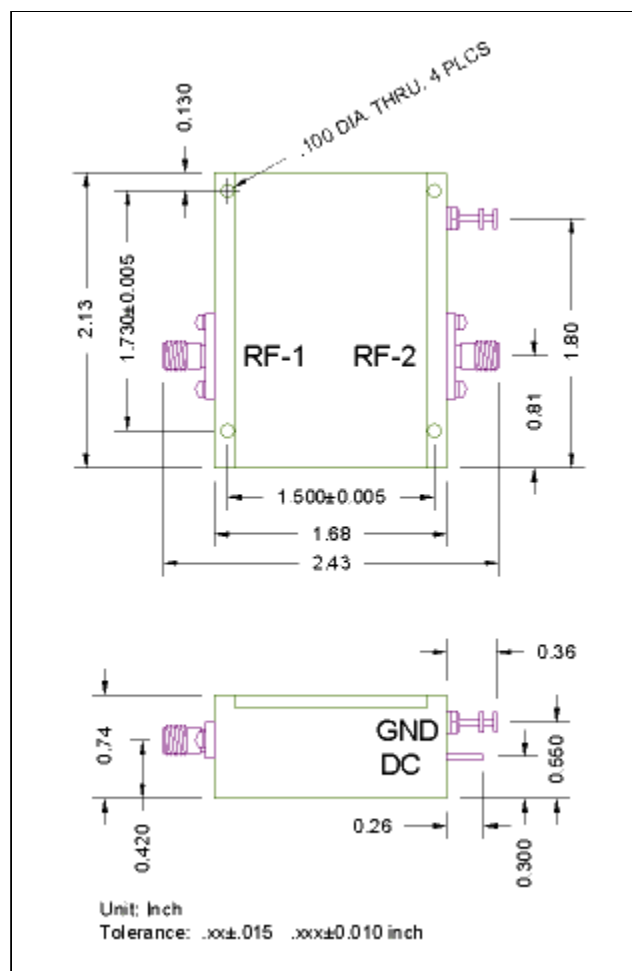


Updated: 9/17/2007

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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	Input RF Signal
RF-2	SMA-F	1	OUT	O	Output RF Signal
DC	EMI Filter	1	+12 V	I	DC Supply (12-18V)
GND	GROUND LUG	1	GND	O	Ground

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