

4-8 GHz 1.5 W Broadband Power Amplifier

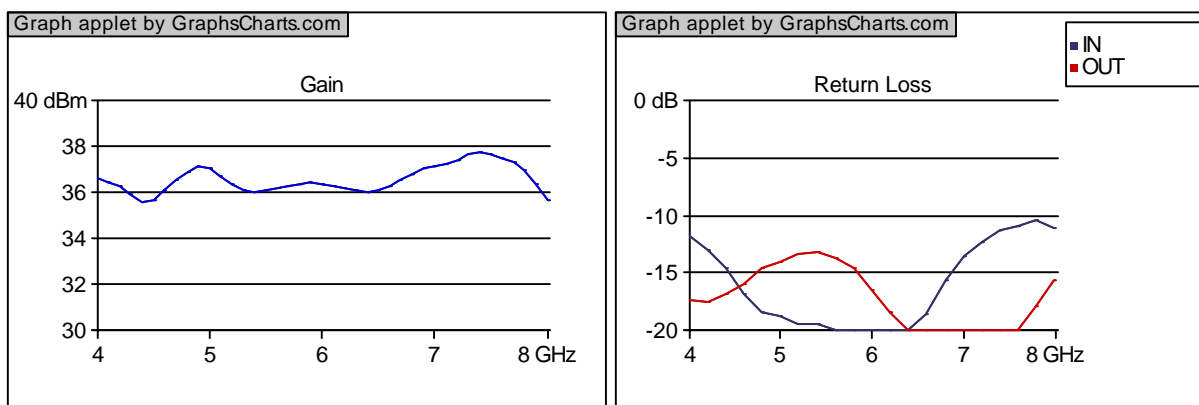
Features:

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

Electrical Performance

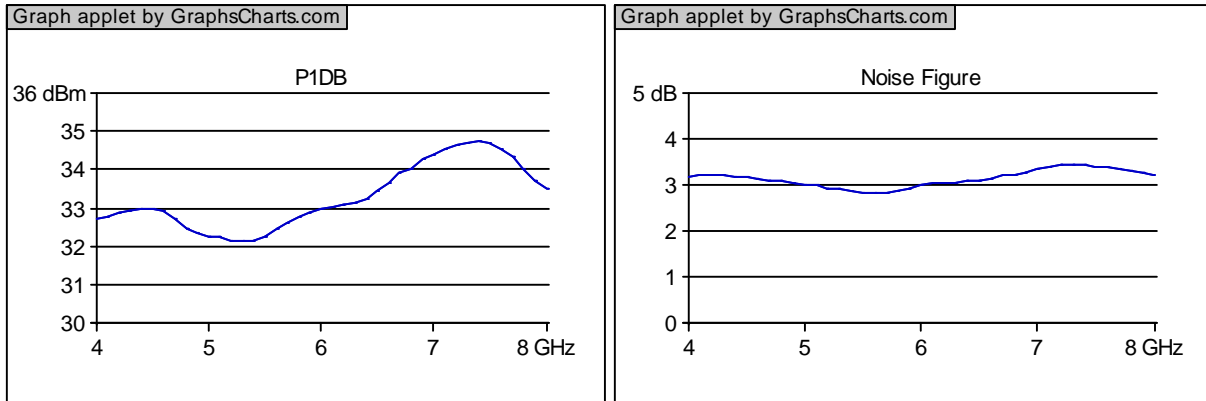
Parameter	Min.	Typ.	Max.	Unit	Note
Frequency	4		8	GHz	
Gain	33			dB	
Gain Flatness			1.5	dB(+/-)	
Power @ 1dB Gain Compression Point	32			dBm	
Output 3rd Order Intercept Point		40		dBm	
Noise Figure		4	5	dB	
VSWR Input		1.8	2.0		
VSWR Output		1.8	2.0		
DC Supply Voltage	11.5		13.0	V	
Supplied Current		0.85	1.2	A	

Typical Test Data



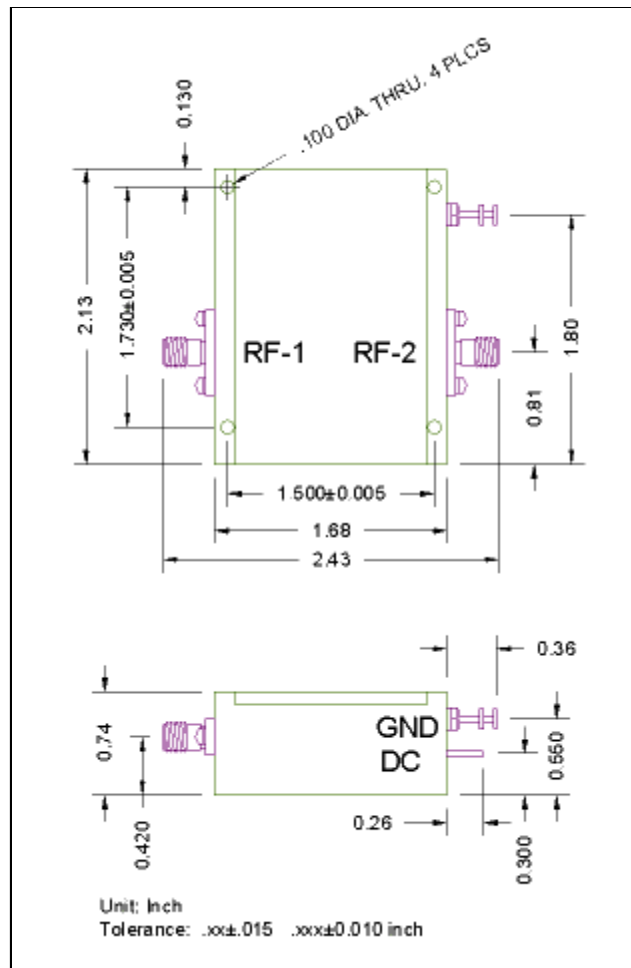
Updated: 12/2/2007

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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	RF SIGNAL INPUT
RF-2	SMA-F	1	OUT	O	RF SIGNAL OUTPUT
DC	EMI Filter	1	+12 V	I	DC INPUT (+11.5 TO +13.0 V)
GND	GROUND LUG	1	GND	O	GROUND

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