

4.4-5.0 GHz Power Amplifier

Features:

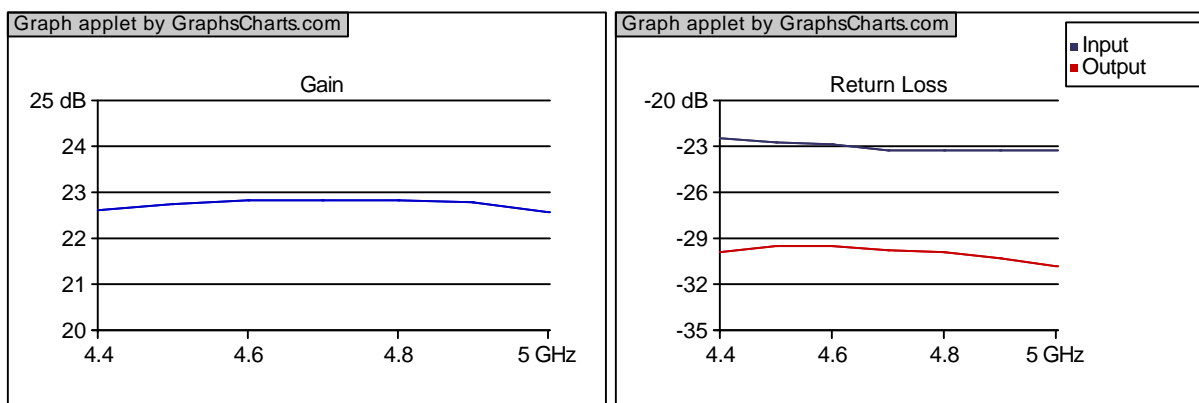
- Field Replaceable Connectors
- Thin Film Hybrid MIC Process
- Reverse Bias Protection

Electrical Performance

Parameter	Min.	Typ.	Max.	Unit	Note
Frequency	4.4		5.0	GHz	
Gain	22	23		dB	
Gain Flatness			0.5	dB(+/-)	
Power @ 1dB Gain Compression Point	22	23		dBm	
Output 3rd Order Intercept Point	32	33		dBm	1
Noise Figure		3.5	4.0	dB	
VSWR Input		1.3	1.4		
VSWR Output		1.3	1.4		
DC Supply Voltage	10	15	17	V	
Supplied Current		200	300	mA	

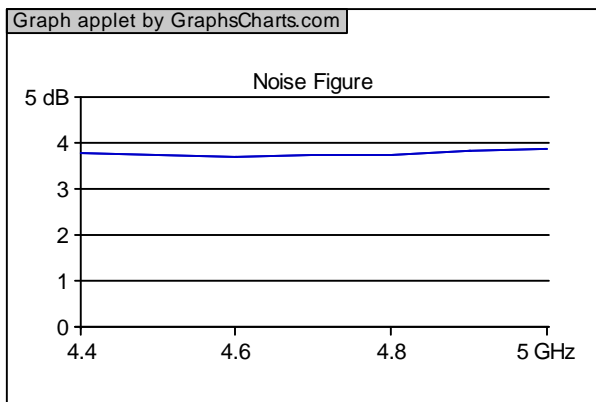
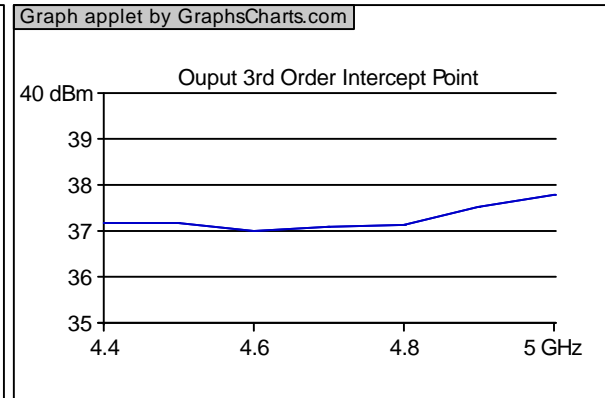
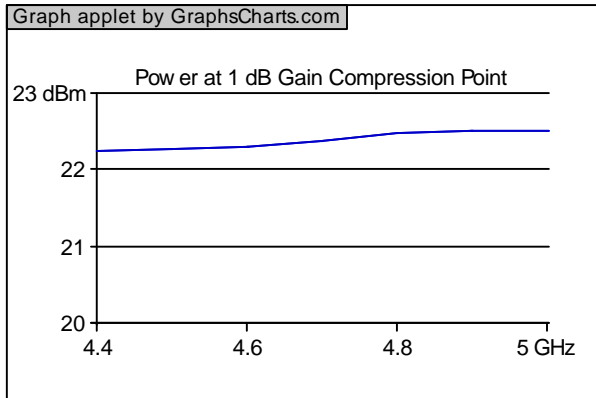
Note 1: Measured with 13 dBm/tone at output

Typical Test Data



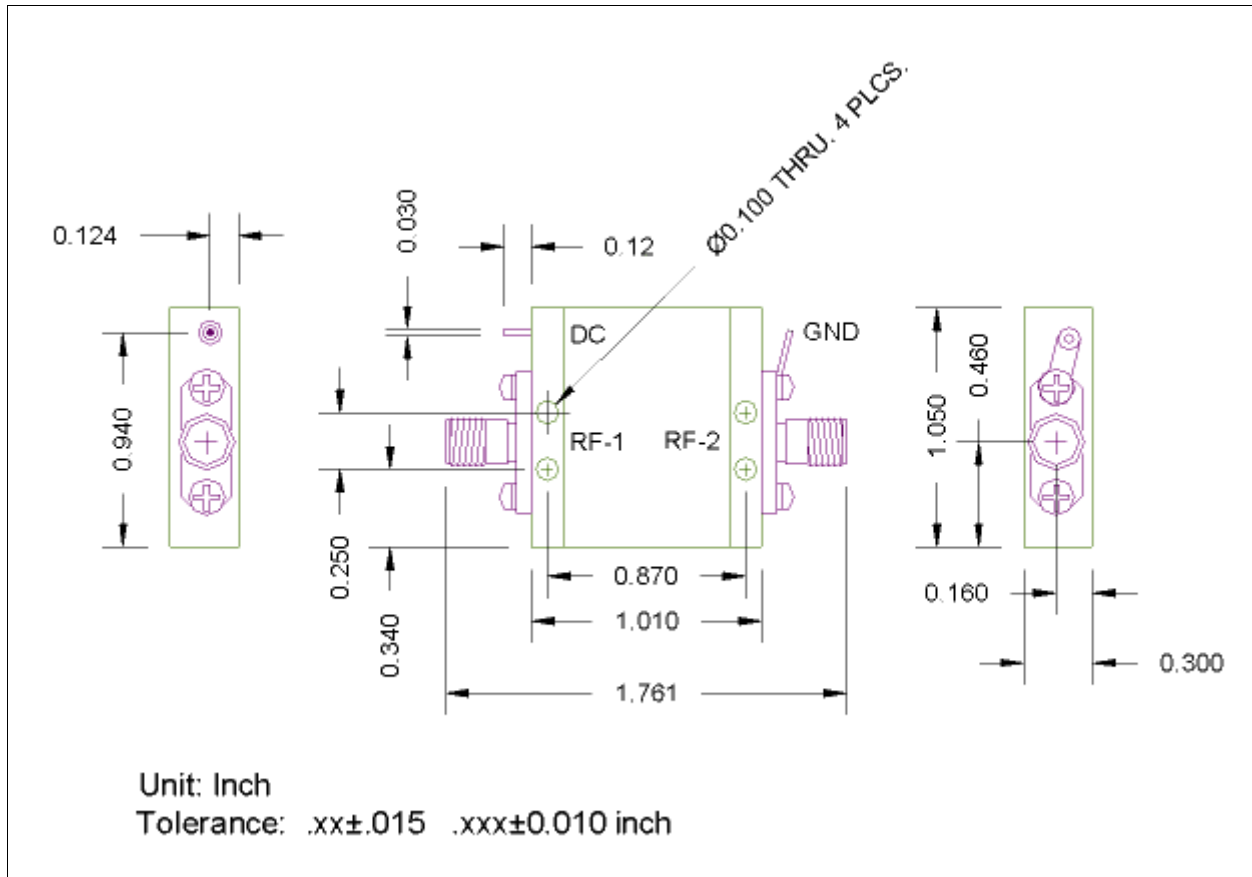
Updated: 11/30/2007

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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 Supply Input (10-17 V)
GND	GROUND LUG	1	GND	O	GROUND

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