

## 10.70-12.75 GHZ LOW NOISE AMPLIFIER

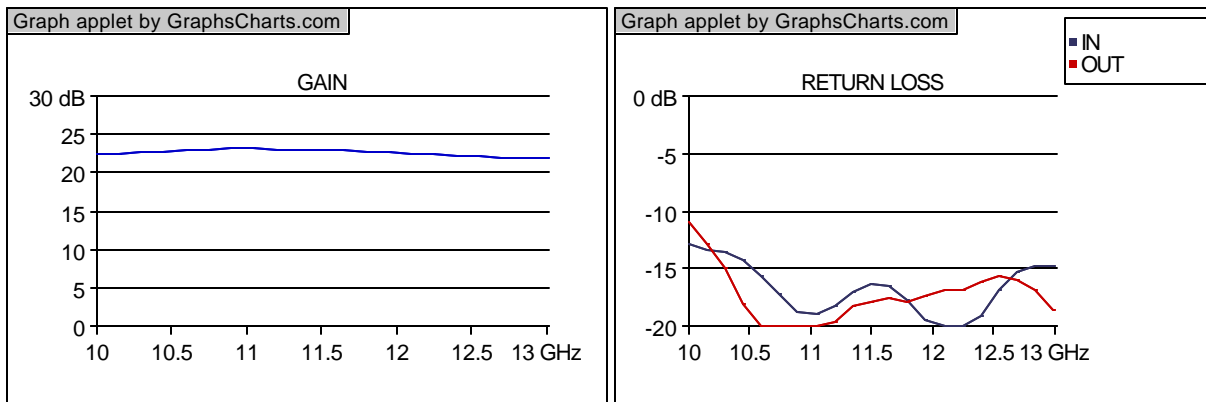
### Features:

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

### Electrical Performance

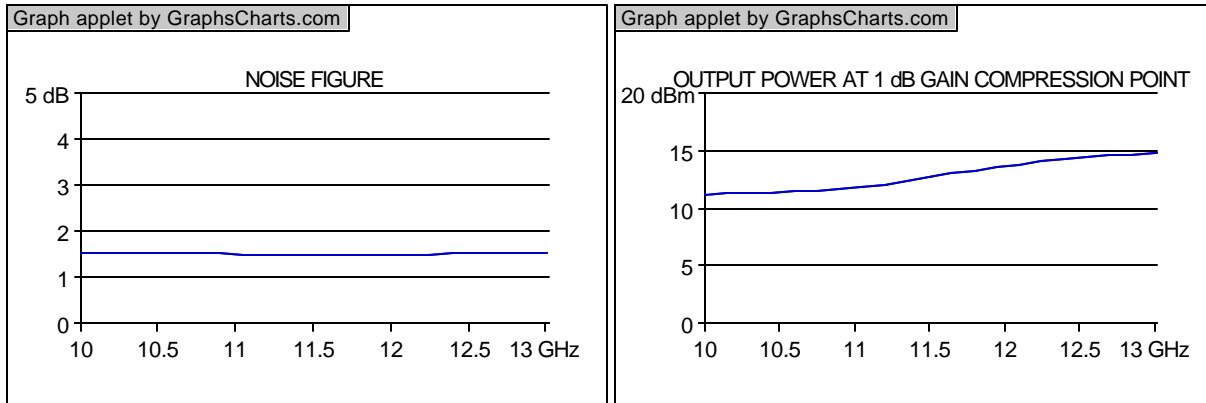
Parameter	Min.	Typ.	Max.	Unit	Note
Frequency	10.7		12.75	GHz	
Gain	20	22		dB	
Gain Flatness			0.5	dB(+/-)	
Power @ 1dB Gain Compression Point	10.5			dBm	
Noise Figure		1.5	1.6	dB	
VSWR Input			1.4		
VSWR Output			1.6		
DC Supply Voltage	9	12	15	V	
Supplied Current			70	mA	

### Typical Test Data

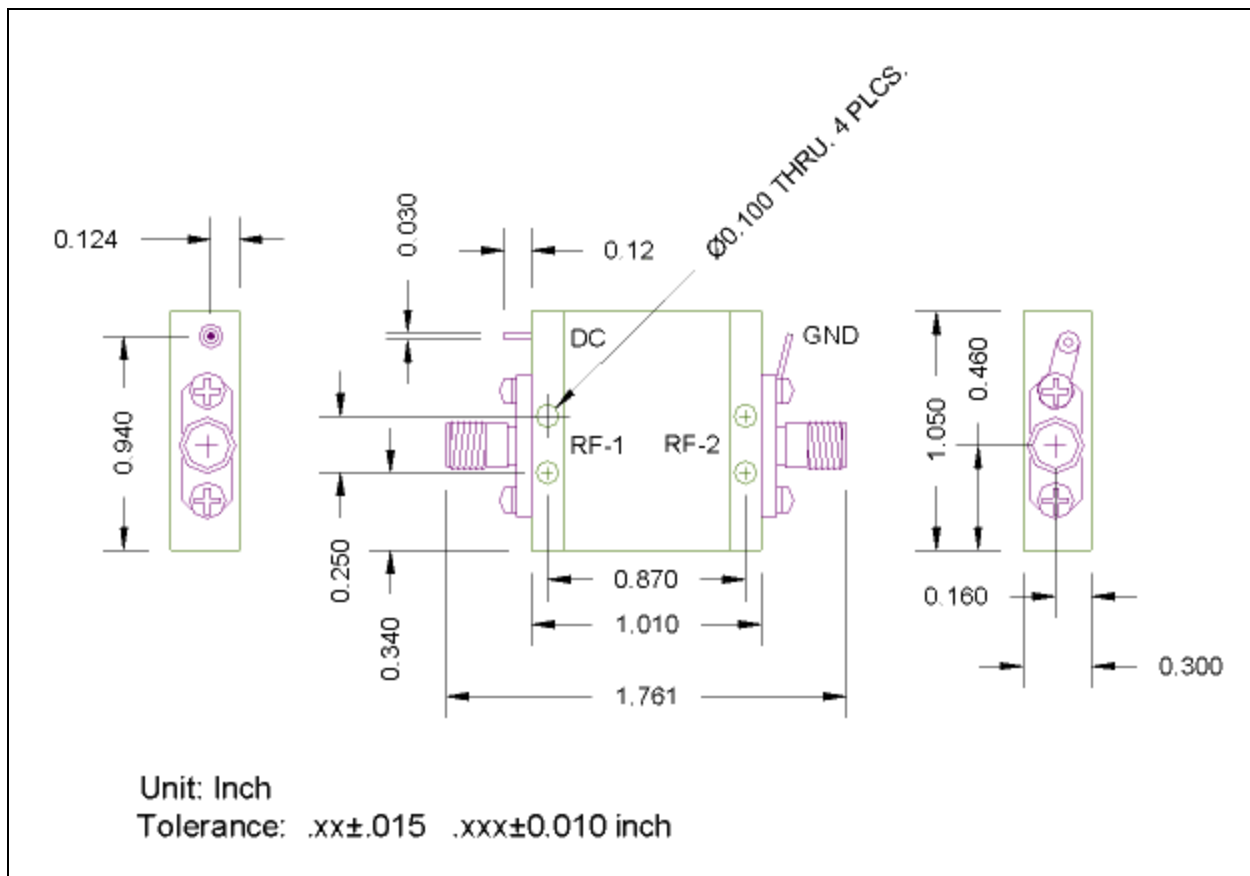


Updated: 10/25/2007

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### Outline Drawing



Connector	Type	Pin #	Pin Name	In/Out	Description
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RF-1	SMA-F	1 IN	I	RF INPUT
RF-2	SMA-F	1 OUT	O	RF OUTPUT
DC	EMI Filter	1 +12 V	I	DC INPUT (+9 V TO +15 V)
GND	GROUND LUG	1 GND	O	GROUND

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