

## 10-12.5 GHz 30 dB Gain Block Amplifier

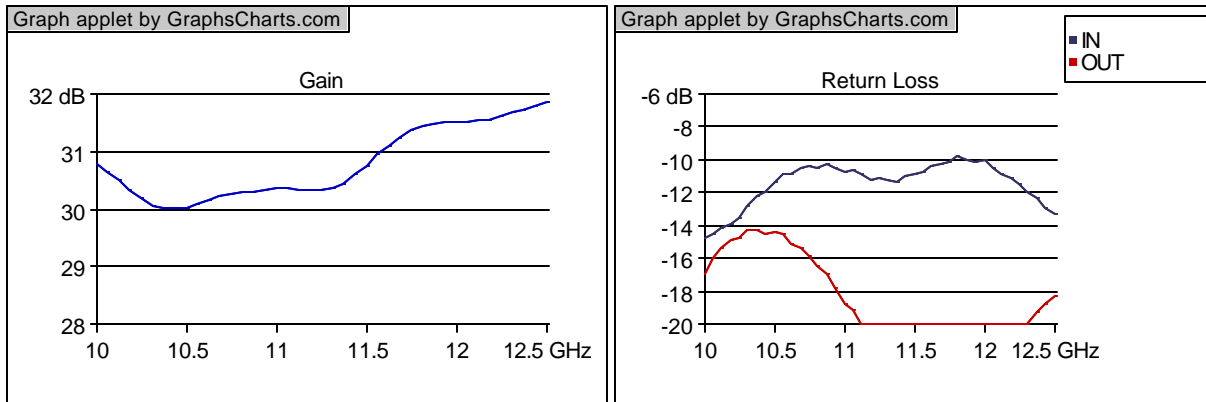
### Features:

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

### Electrical Performance

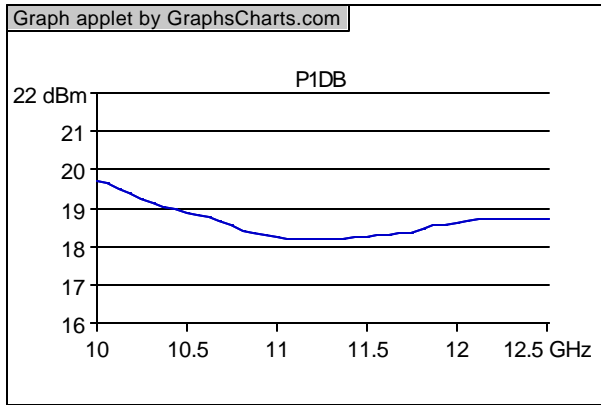
Parameter	Min.	Typ.	Max.	Unit	Note
Frequency	10		12.5	GHz	
Gain	30			dB	
Gain Flatness			1	dB(+/-)	
Power @ 1dB Gain Compression Point	18			dBm	
Noise Figure		3.0		dB	
VSWR Input			2		
VSWR Output			2		
Supplied Current			100	mA	
DC Supply Voltage	12		18	V	

### Typical Test Data

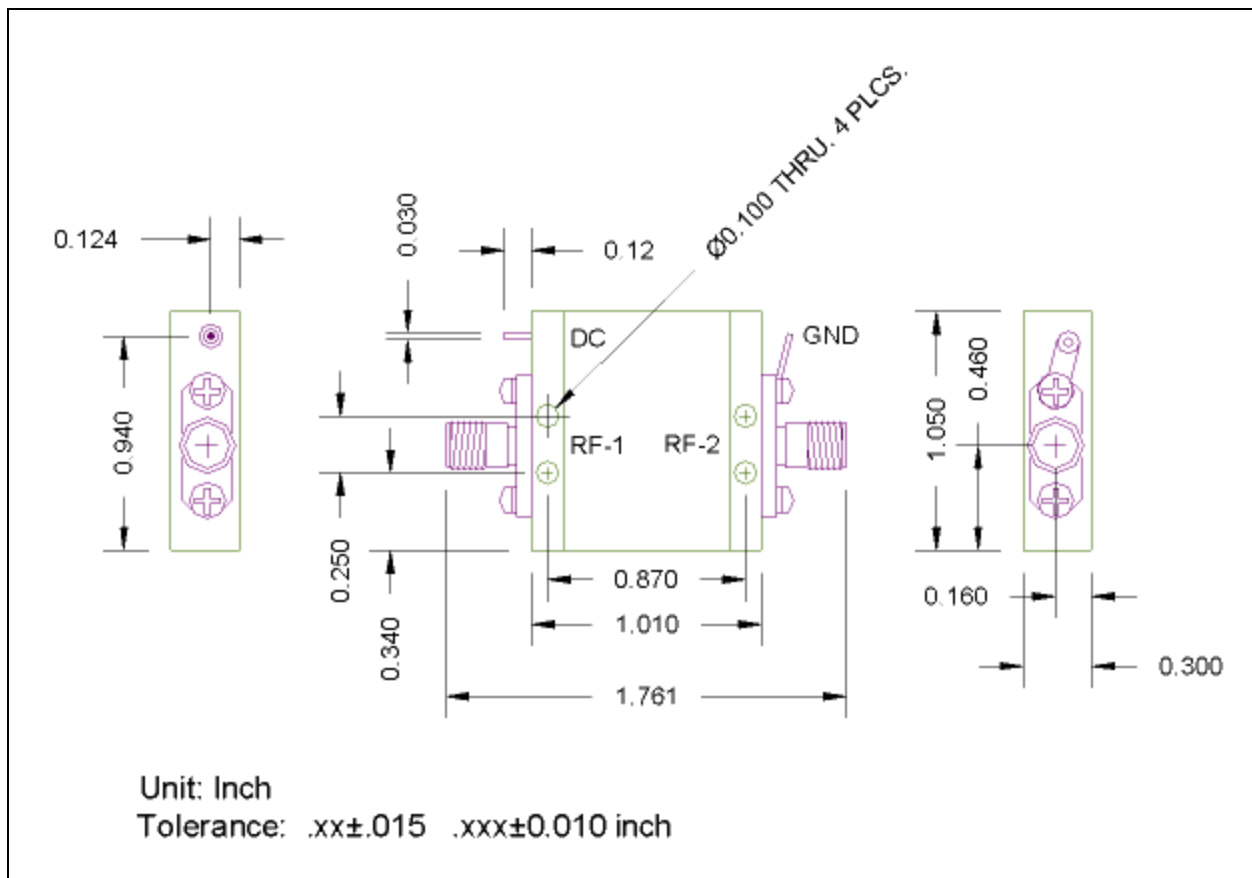


Updated: 10/24/2007

## 10-12.5 GHz 30 dB Gain Block Amplifier



### Outline Drawing



Connector	Type	Pin #	Pin Name	In/Out	Description
-----------	------	-------	----------	--------	-------------

Updated: 10/24/2007

## 10-12.5 GHz 30 dB Gain Block Amplifier

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 (+12 V TO +18 V)
GND	GROUND LUG	1 GND	O	GROUND

Updated: 10/24/2007



Nextec Microwave & RF, Inc [WWW.NEXTEC-RF.COM](http://WWW.NEXTEC-RF.COM)  
3010 Scott Blvd., Santa Clara, CA 95054  
(408) 727-1189(Ph)/ (408) 727-5915(Fax)/ [sales@nextec-rf.com](mailto:sales@nextec-rf.com)