

4-8 GHz Broadband Low Noise Amplifier

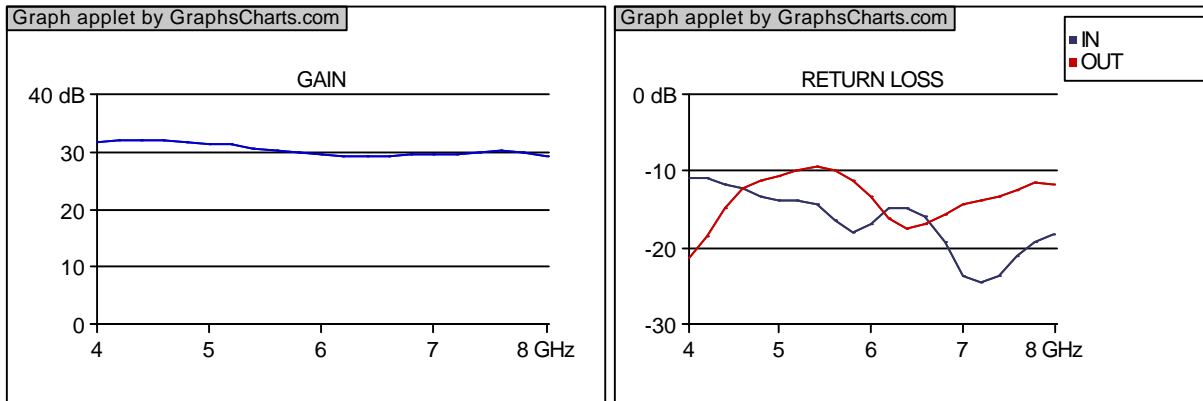
Features:

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

Electrical Performance

Parameter	Min.	Typ.	Max.	Unit	Note
Frequency	4		8	GHz	
Gain	28			dB	
Gain Flatness			1.5	dB(+/-)	
VSWR Input			2.0		
VSWR Output			2.1		
Power @ 1dB Gain Compression Point	20			dBm	
Noise Figure			2	dB	
DC Supply Voltage	10	15	17	V	
Supplied Current			180	mA	

Typical Test Data



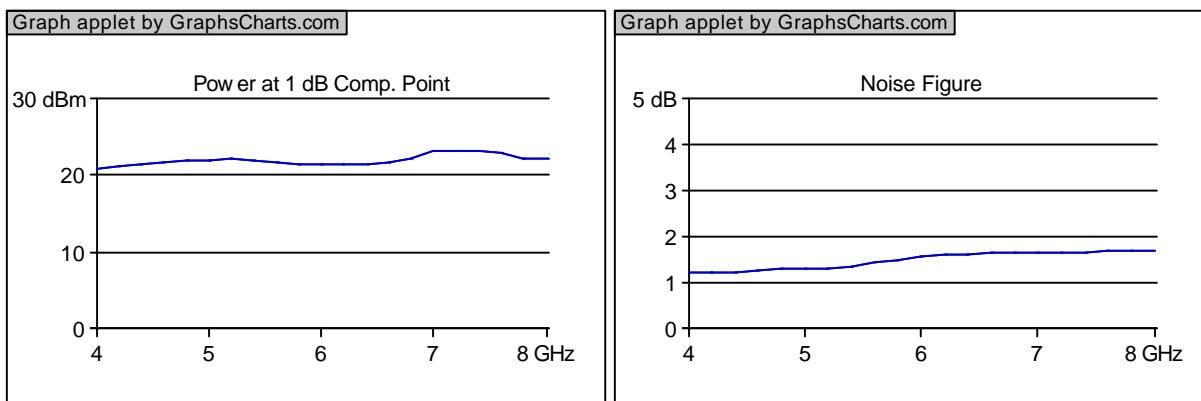
Updated: 11/15/2006



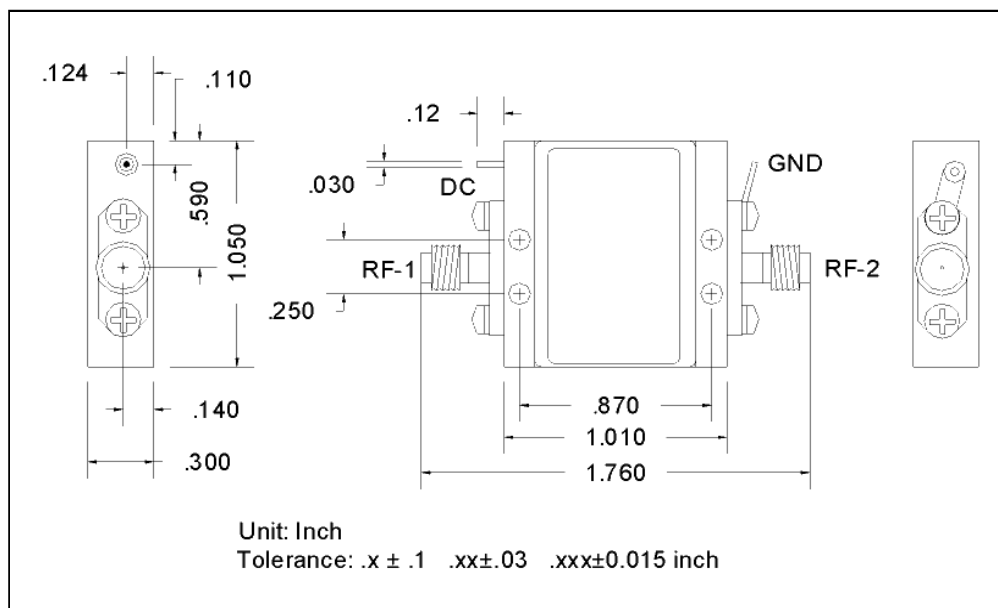
Nextec Microwave & RF, Inc WWW.NEXTEC-RF.COM
 3010 Scott Blvd., Santa Clara, CA 95054

(408) 727-1189(Ph)/ (408) 727-5915(Fax)/ sales@nextec-rf.com

4-8 GHz Broadband Low Noise Amplifier



Outline Drawing



Connector	Type	Pin #	Pin Name	In/Out	Description
RF-1	SMA-F	1	IN	I	RF INPUT SIGNAL
RF-2	SMA-F	1	OUT	O	RF OUTPUT SIGNAL
DC	EMI Filter	1	+ 12 V	I	DC INPUT (+10 TO +17 V)
GND	GROUND LUG	1	GND	O	GROUND

Updated: 11/15/2006

NBL00528

4-8 GHz Broadband Low Noise Amplifier

Updated: 11/15/2006



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