

18 - 26.5 GHz Broad Band Amplifier

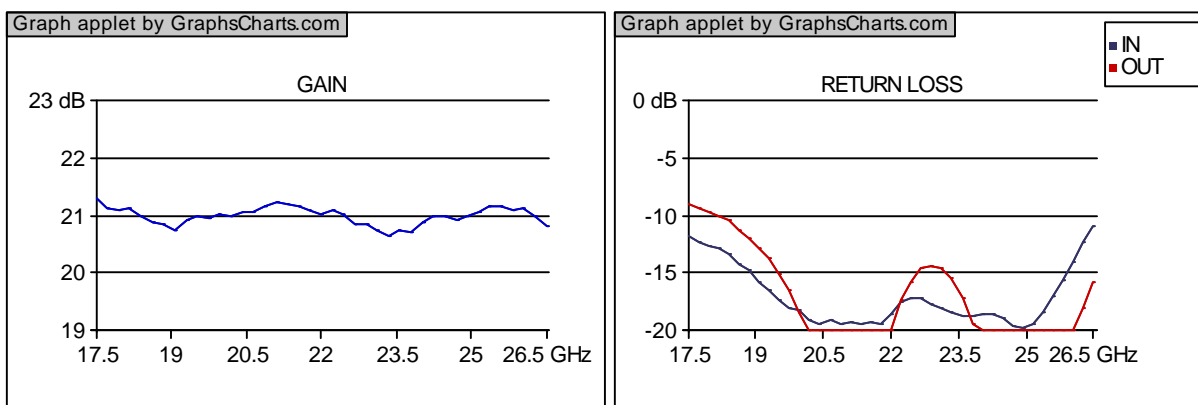
Features:

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

Electrical Performance

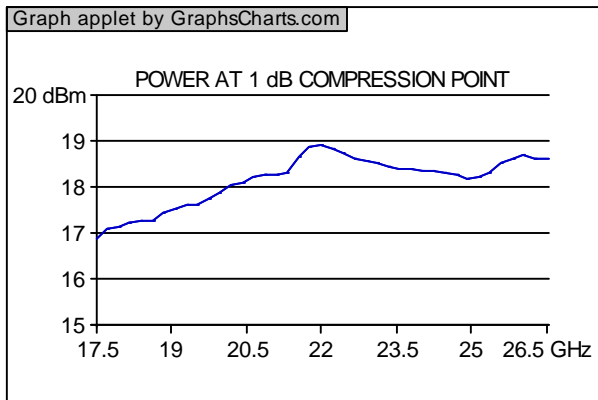
Parameter	Min.	Typ.	Max.	Unit	Note
Frequency	18.0		26.5	GHz	
Gain	18	22		dB	
Gain Flatness		1.5	2.5	dB(+/-)	
Power @ 1dB Gain Compression Point	17	20		dBm	
Output 3rd Order Intercept Point	25	28		dBm	
Noise Figure		9	12	dB	
VSWR Input		1.9	2.4		
VSWR Output		1.9	2.4		
Supplied Current		290	350	mA	
DC Supply Voltage	11	12	15	V	

Typical Test Data

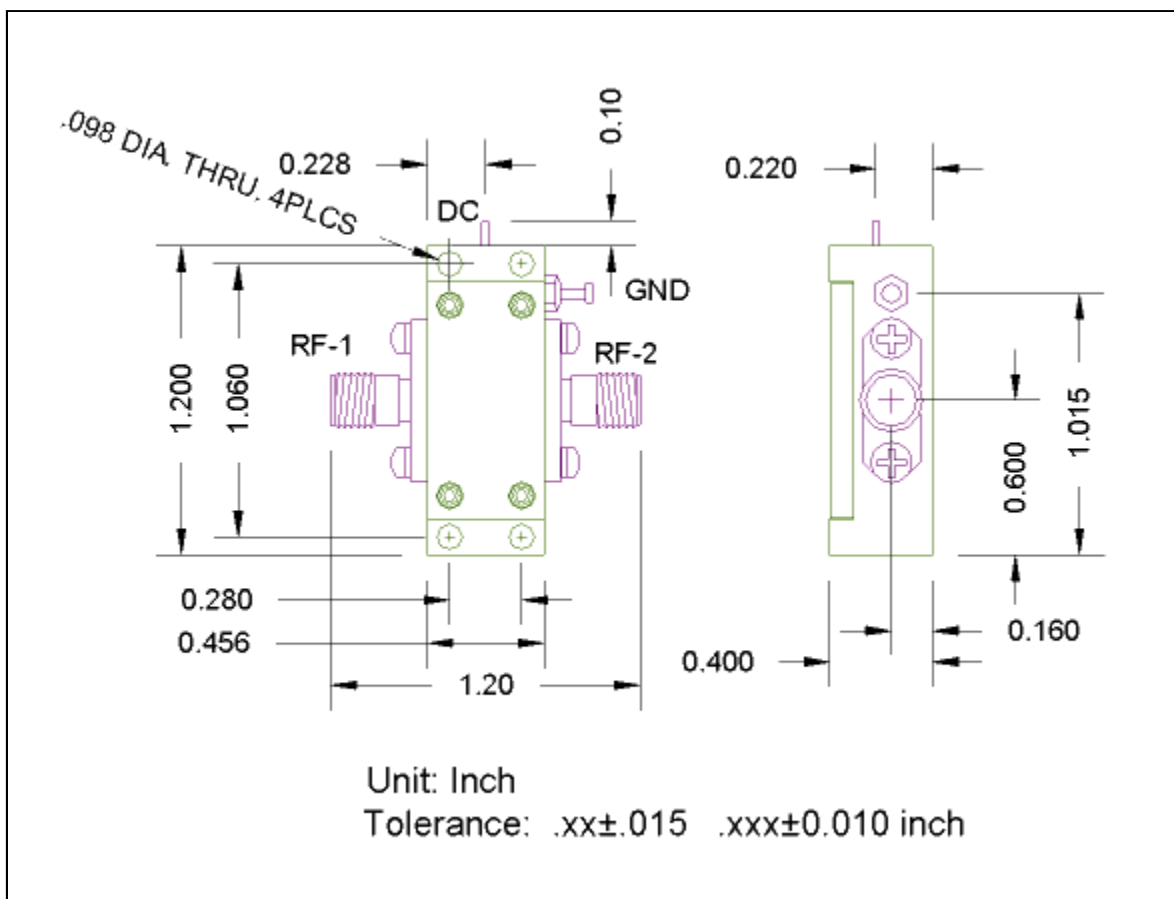


Updated: 11/19/2007

18 - 26.5 GHz Broad Band Amplifier



Outline Drawing



Updated: 11/19/2007

18 - 26.5 GHz Broad Band Amplifier

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 TO +15 V)
GND	GROUND LUG	1	GND	O	GROUND

Updated: 11/19/2007



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