

6.0-18.0 GHz Broad Band Amplifier

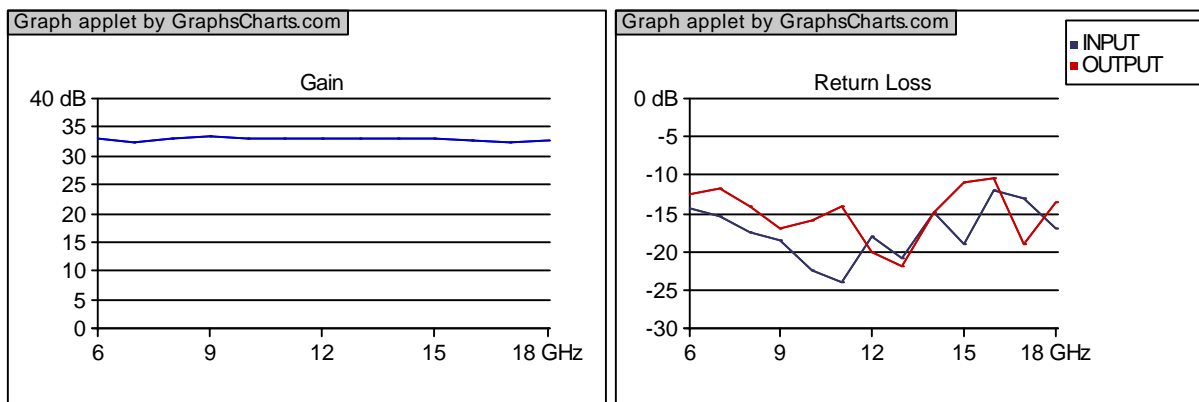
Features:

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

Electrical Performance

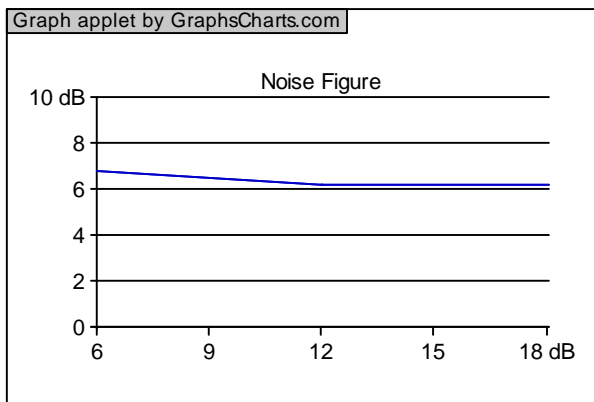
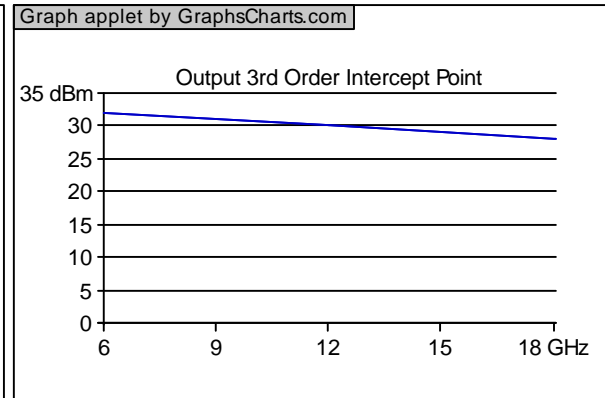
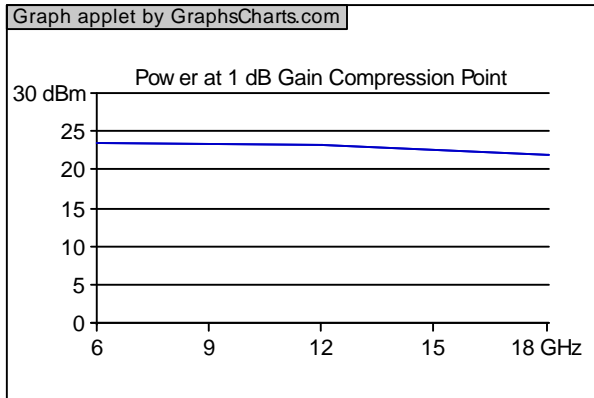
Parameter	Min.	Typ.	Max.	Unit	Note
Frequency	6		18	GHz	
Gain	30	33		dB	
Gain Flatness			2	dB(+/-)	
Power @ 1dB Gain Compression Point	21	23		dBm	
Noise Figure			7.5	dB	
VSWR Input			2.0		
VSWR Output			2.0		
DC Supply Voltage	11	12	16	V	
Supplied Current		420	480	mA	

Typical Test Data



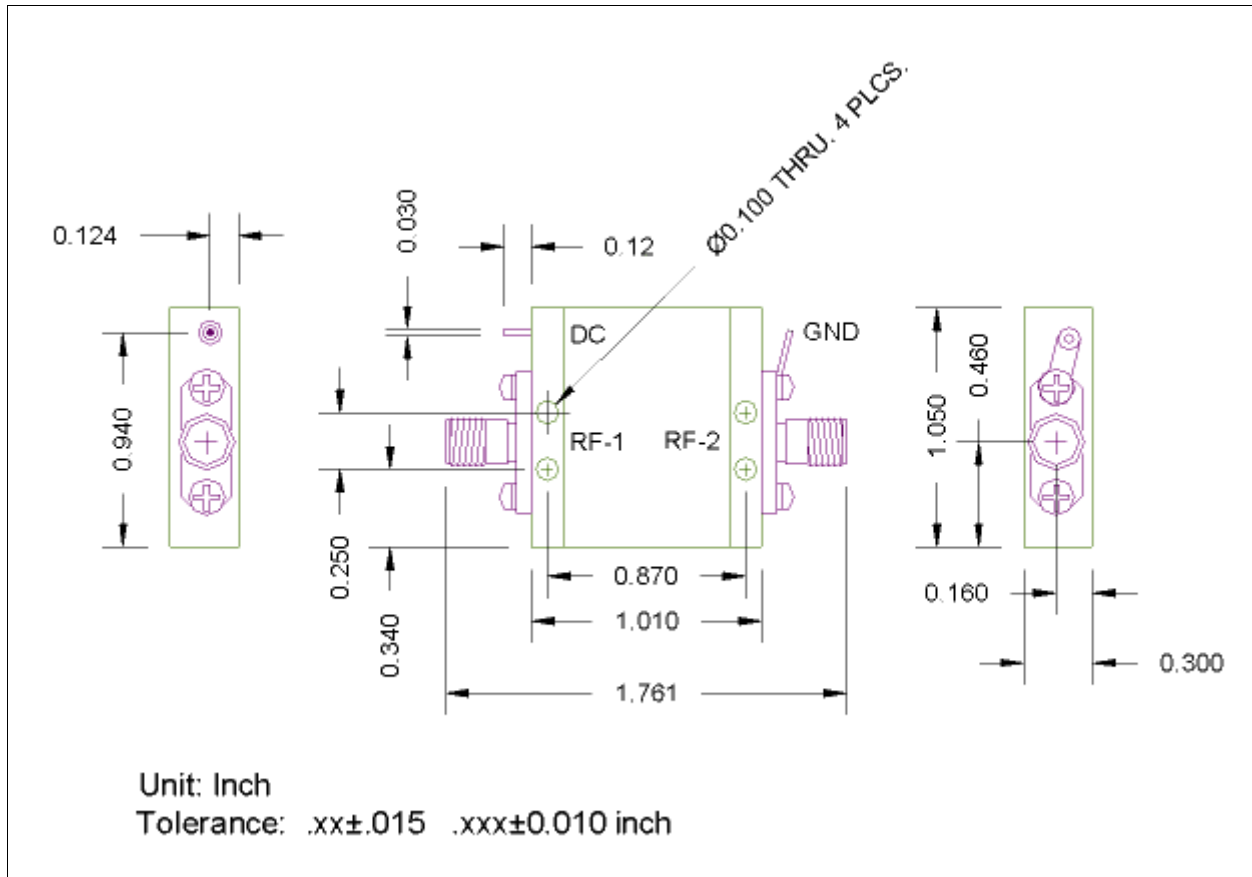
Updated: 12/2/2007

6.0-18.0 GHz Broad Band Amplifier



Outline Drawing

6.0-18.0 GHz Broad Band Amplifier



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 (+11 TO +16V)
GND	GROUND LUG	1	GND	O	GROUND

Updated: 12/2/2007