

1.7GHz to 2.0GHz 1W Amplifier

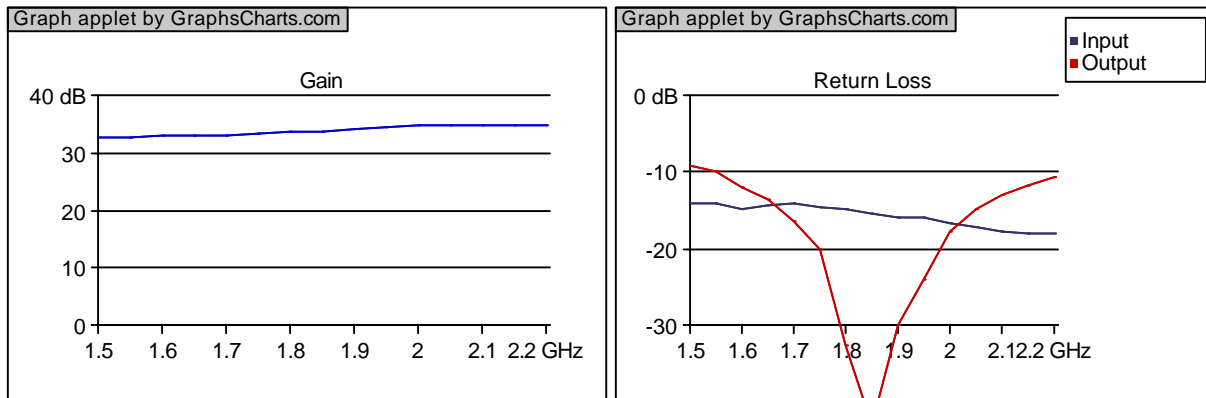
Features:

- Output Power Monitoring Function

Electrical Performance

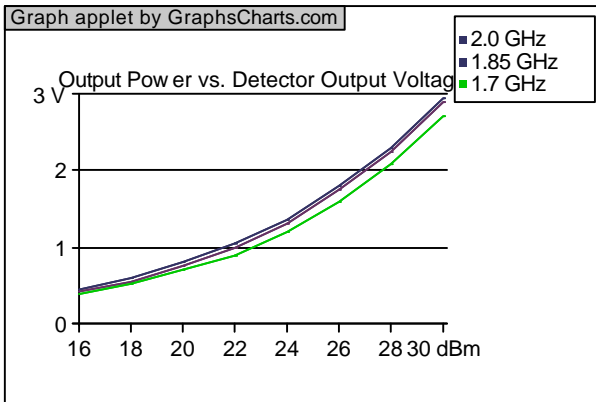
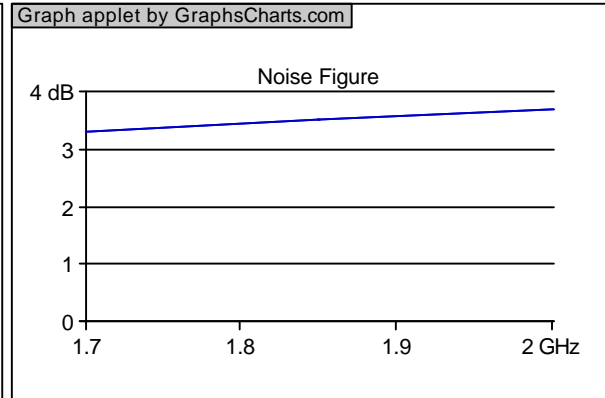
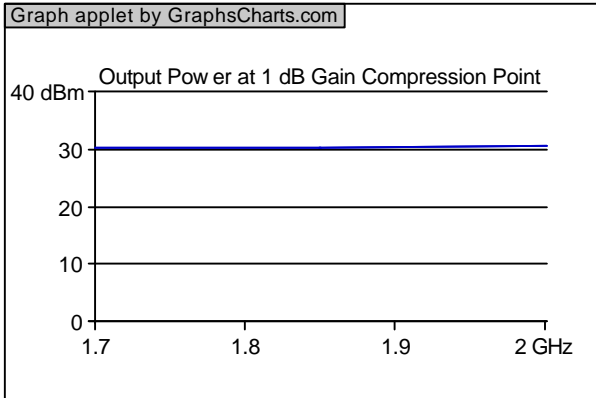
Parameter	Min.	Typ.	Max.	Unit	Note
Frequency	1.7		2.0	GHz	
Gain	30	32		dB	
Gain Flatness			1	dB(+/-)	
Power @ 1dB Gain Compression Point	30	31		dBm	
Output 3rd Order Intercept Point		45		dBm	
Noise Figure		3.0		dB	
VSWR Input			1.5		
VSWR Output			1.5		
DC Supply Voltage	+11	+12	+15	V	
Supplied Current			900	mA	

Typical Test Data



Updated: 9/22/2006

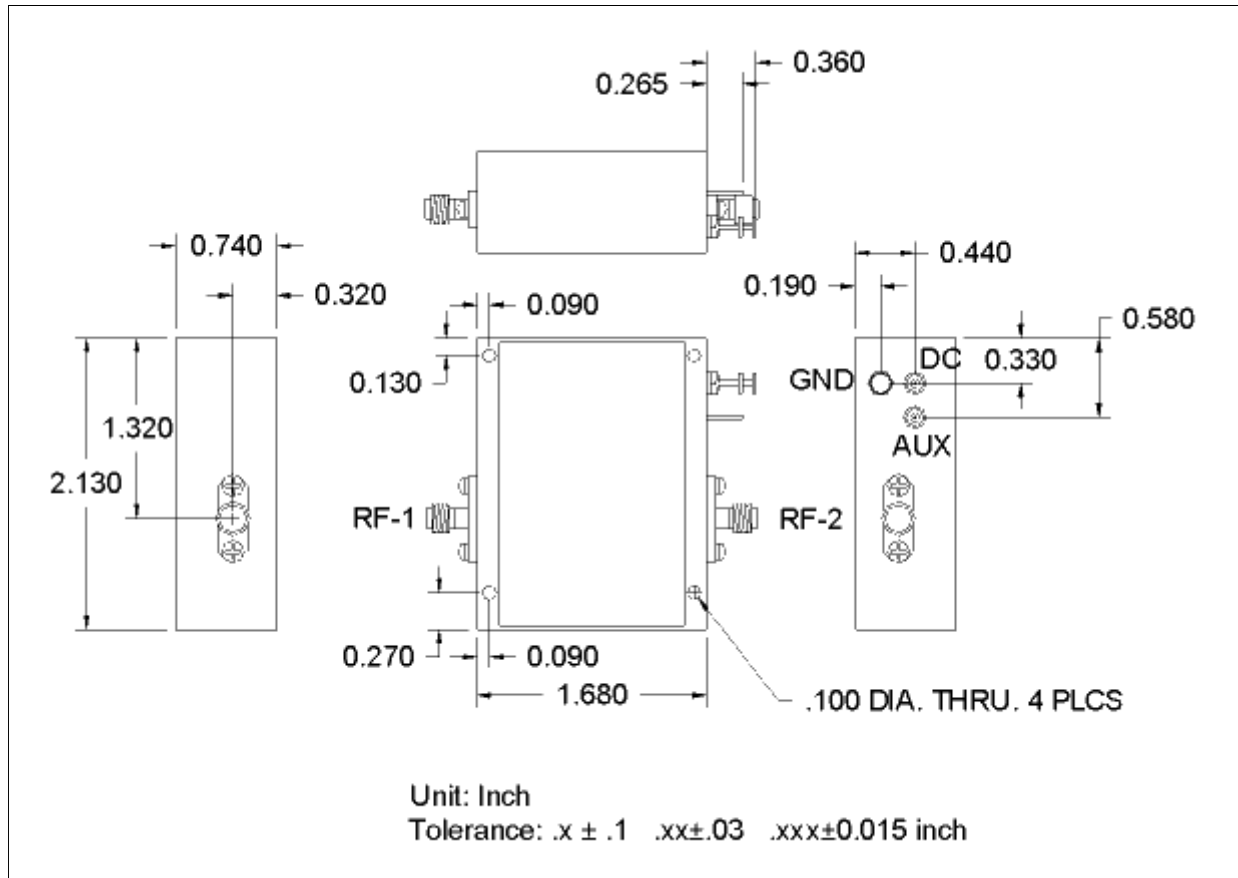
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Outline Drawing

NA00455

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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
GND	GROUND LUG	1	GND	O	Ground
DC	EMI Filter	1	+12 V	I	DC Voltage Supply (11-15V)
AUX	EMI Filter	1	DET	O	Output Power Detector Output

Updated: 9/22/2006