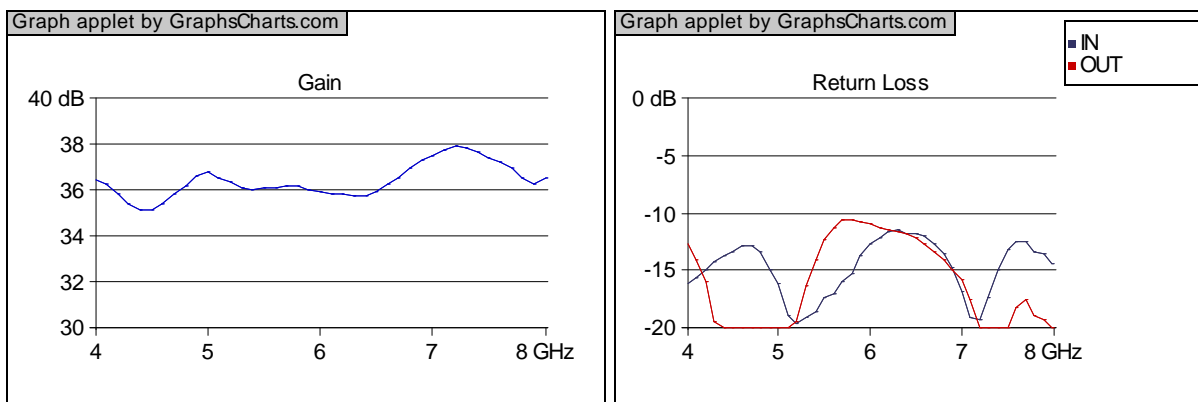


NB00530**4-8 GHz 1 W Broadband Power Amplifier****Features:**

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

Electrical Performance

Parameter	Min.	Typ.	Max.	Unit	Note
Frequency	4		8	GHz	
Gain	31	32		dB	
Gain Flatness			1.5	dB(+/-)	
Power @ 1dB Gain Compression Point	30			dBm	
Output 3rd Order Intercept Point		40		dBm	
Noise Figure		5	8	dB	
VSWR Input		1.8	2.0		
VSWR Output		1.8	2.0		
DC Supply Voltage	11.5		18	V	
Supplied Current		0.85	1.2	A	

Typical Test Data

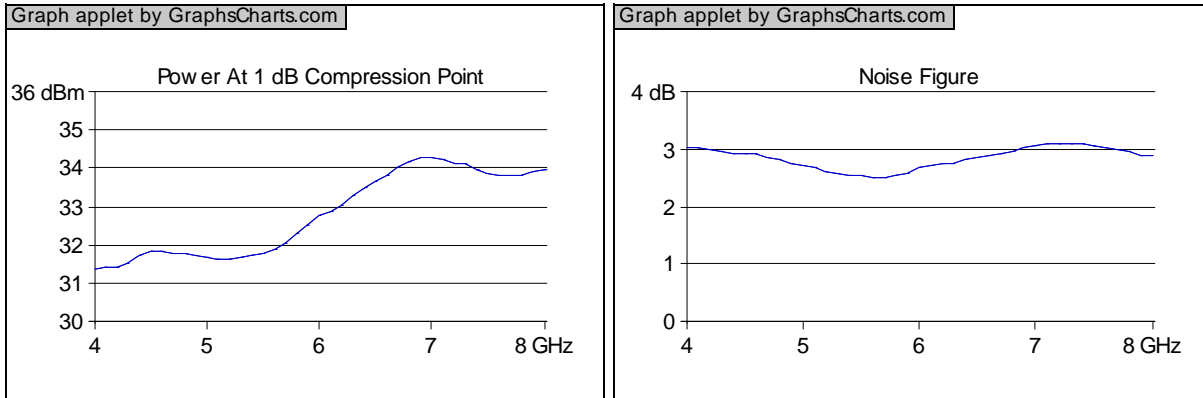
Updated: 2/25/2014



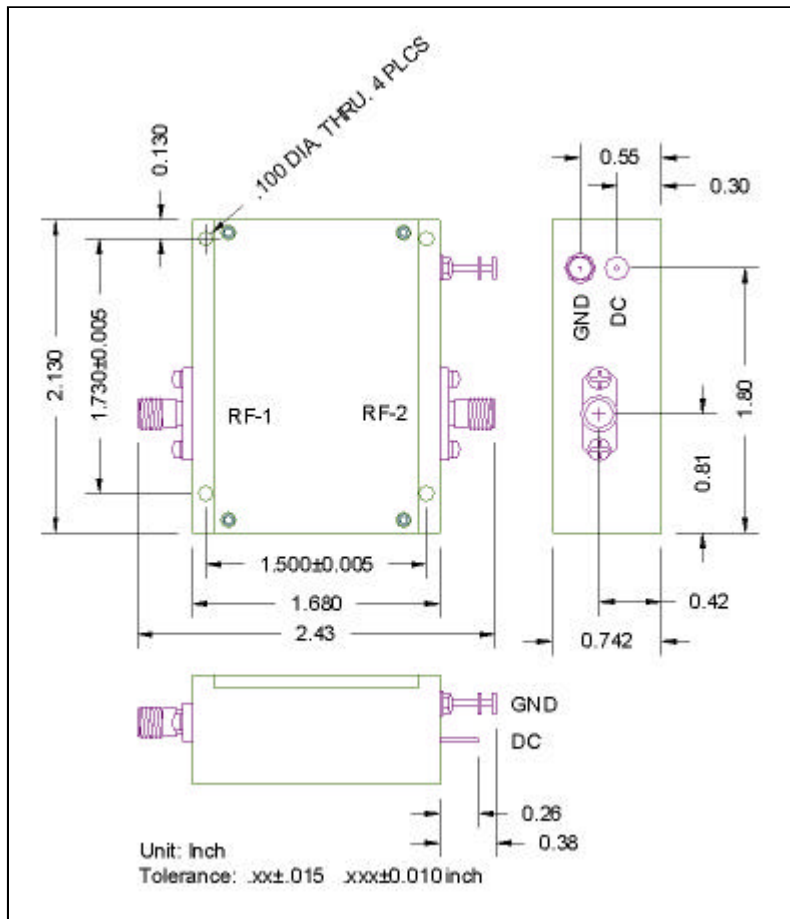
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NB00530

4-8 GHz 1 W Broadband Power Amplifier



Outline Drawing



Connector	Type	Pin #	Pin Name	In/Out	Description
RF-1	SMA-F	1	IN	I	RF SIGNAL INPUT

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4-8 GHz 1 W Broadband Power Amplifier

RF-2	SMA-F	1 OUT	O	RF SIGNAL OUTPUT
DC	EMI Filter	1 +12 V	I	DC INPUT (+11.5 TO +13.0 V)
GND	GROUND LUG	1 GND	O	GROUND

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