

NB00422-1

8-14 GHZ 27 DBM POWER AMPLIFIER

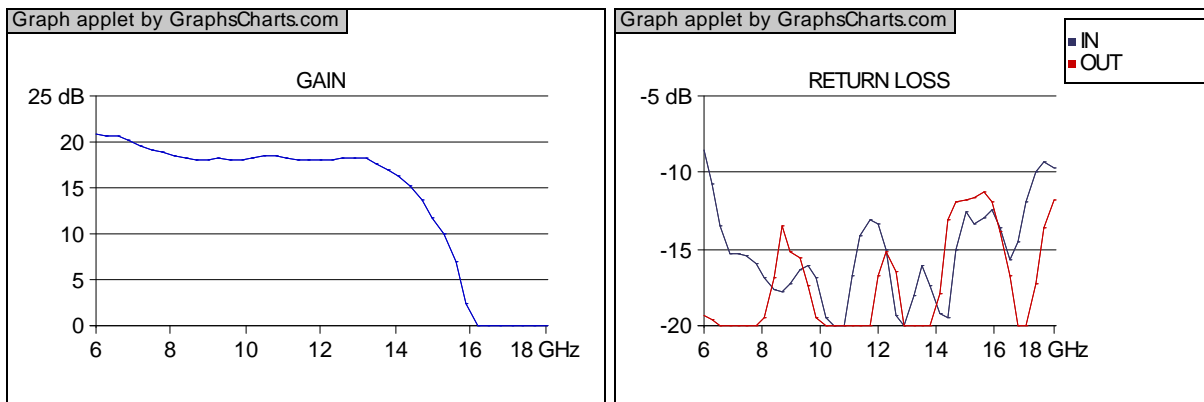
Features:

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

Electrical Performance

Parameter	Min.	Typ.	Max.	Unit	Note
Frequency	8		14	GHz	
Gain	17	19		dB	
Gain Flatness			1.2	dB(+/-)	
Power @ 1dB Gain Compression Point	27	28		dBm	
Output 3rd Order Intercept Point		35		dBm	
Noise Figure		4.5	5.0	dB	
VSWR Input			2.0		
VSWR Output			2.0		
DC Supply Voltage	10	12	17	V	
Supplied Current		430	490	mA	

Typical Test Data



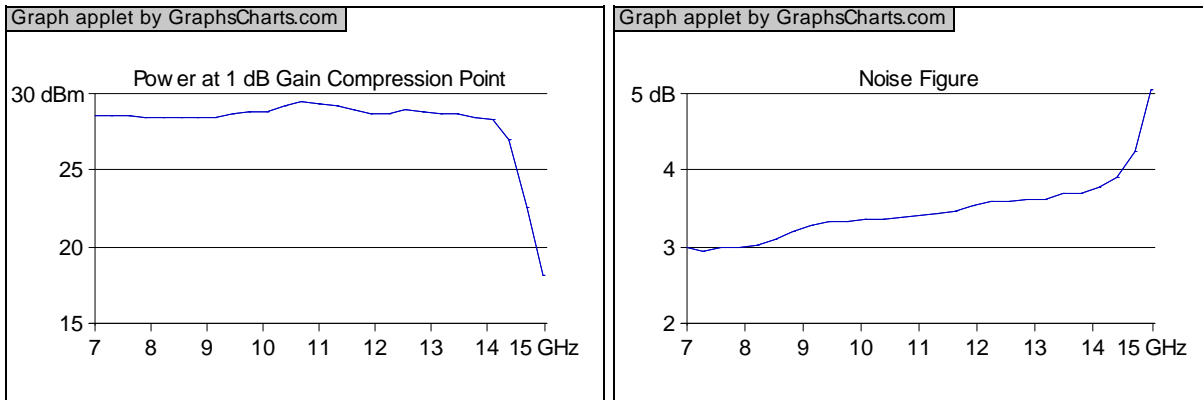
Updated: 12/14/2018



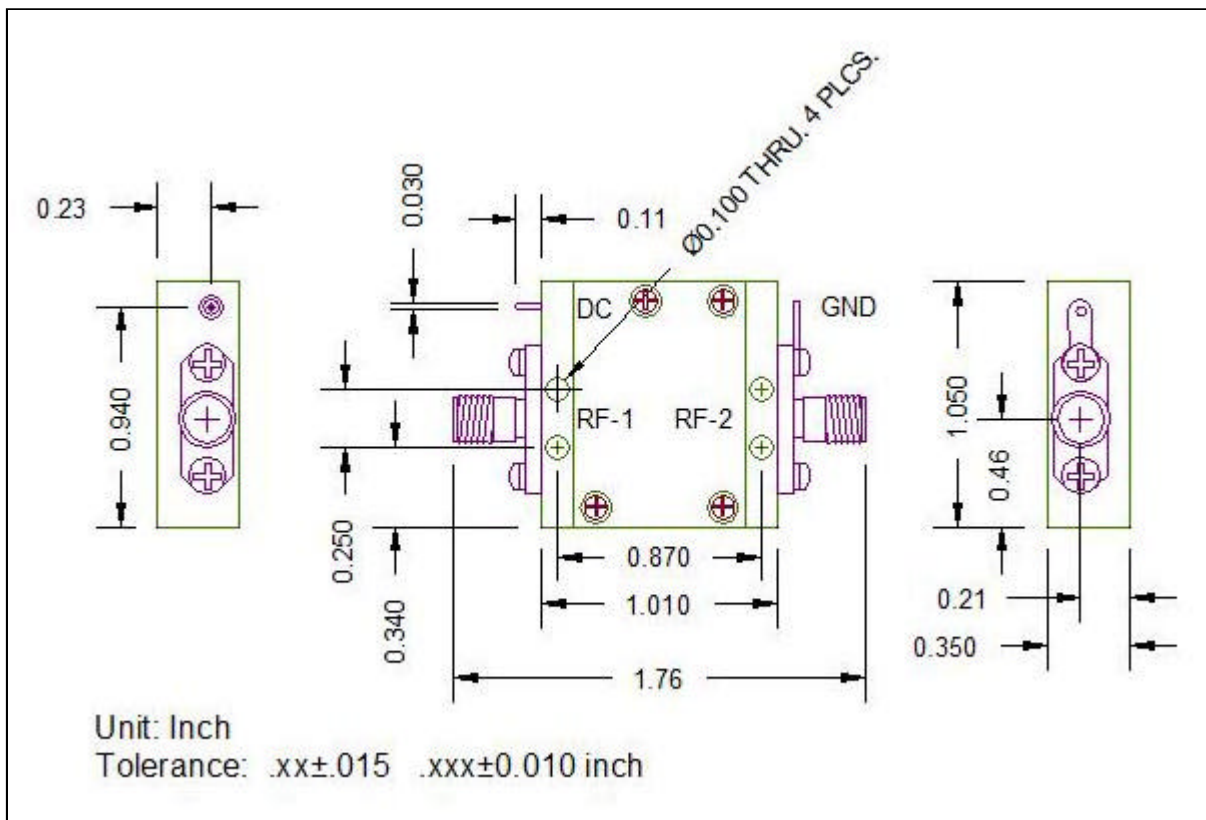
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Outline Drawing



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	+12V	I	DC INPUT (+10V TO +17V)

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GND GROUND LUG 1 GND O GROUND

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