

# NB00424

## 8-14 GHz 11dBm Power Amplifier

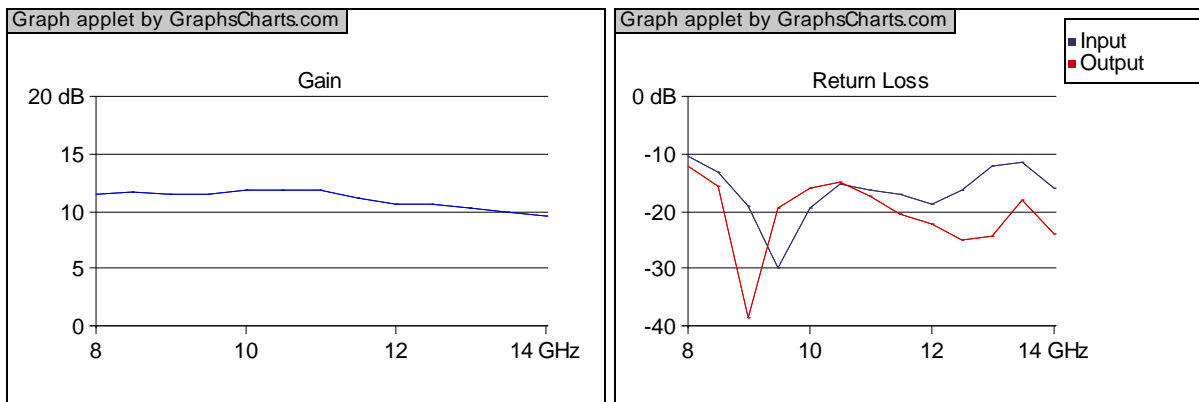
**Features:**

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

**Electrical Performance**

Parameter	Min.	Typ.	Max.	Unit	Note
Frequency	8		14	GHz	
Gain	9	11		dB	
Gain Flatness			2	dB(+/-)	
Power @ 1dB Gain Compression Point	11	13		dBm	
Noise Figure		4.5	5.0	dB	
VSWR Input			2.0		
VSWR Output			2.0		
Supplied Current		60	90	mA	
DC Supply Voltage	10	12	17	V	

**Typical Test Data**



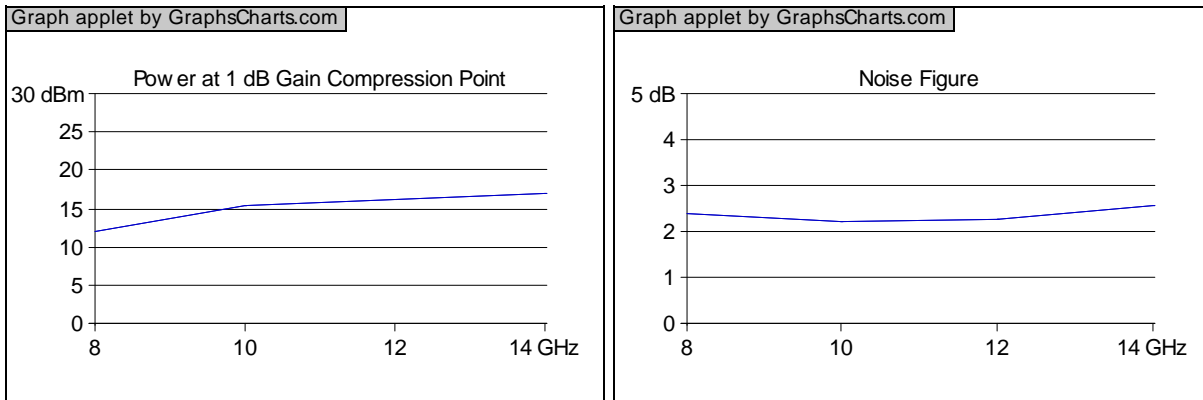
Updated: 9/6/2012



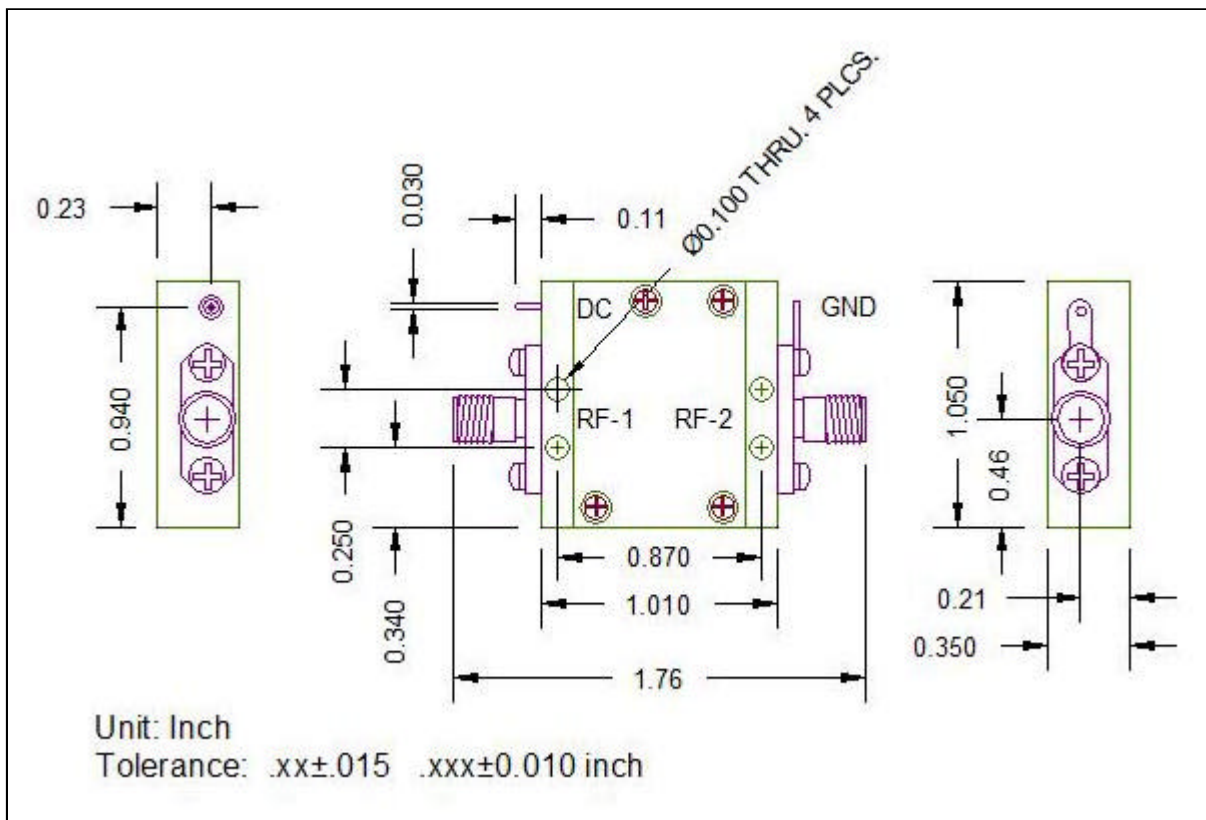
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### Outline Drawing



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	+12 V	I	DC Supply (10-17V)

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GND      GROUND LUG      1 GND      O      Ground

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