

## 8-14 GHz 11dBm Power Amplifier

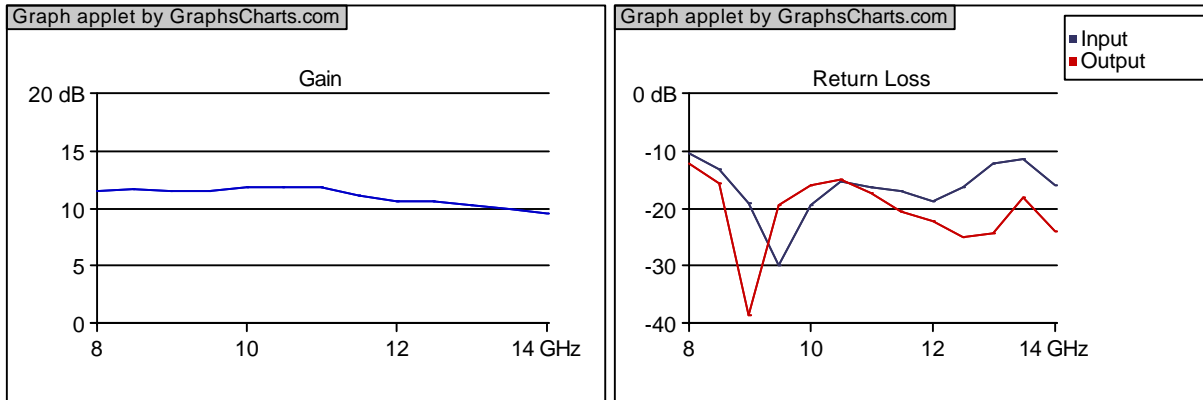
**Features:**

- Field Replaceable SMA Connector
- Thin-Film Hybrid MIC Process

**Electrical Performance**

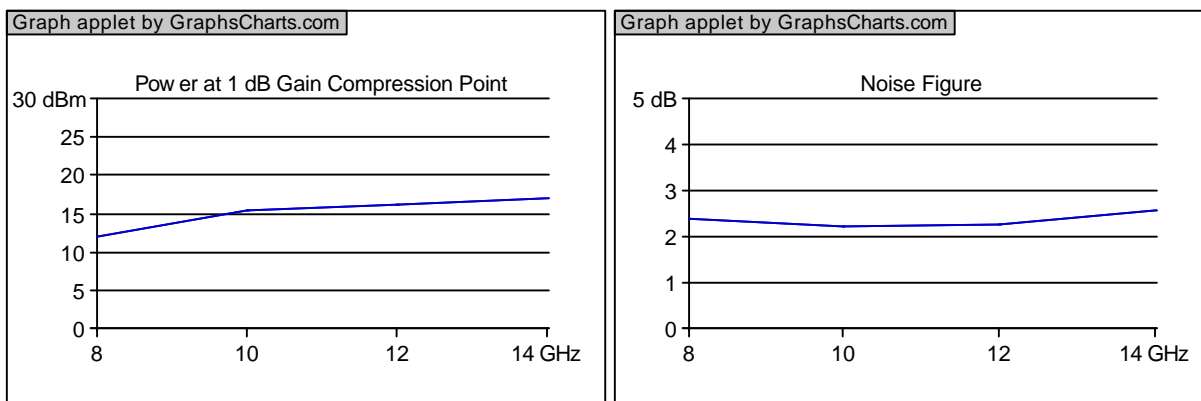
Parameter	Min.	Typ.	Max.	Unit	Note
Frequency	8		14	GHz	
Gain	9	11		dB	
Gain Flatness			2	dB(+/-)	
Power @ 1dB Gain Compression Point	11	13		dBm	
Noise Figure		4.5	5.0	dB	
VSWR Input			2.0		
VSWR Output			2.0		
Supplied Current		60	90	mA	
DC Supply Voltage	10	12	17	V	

**Typical Test Data**

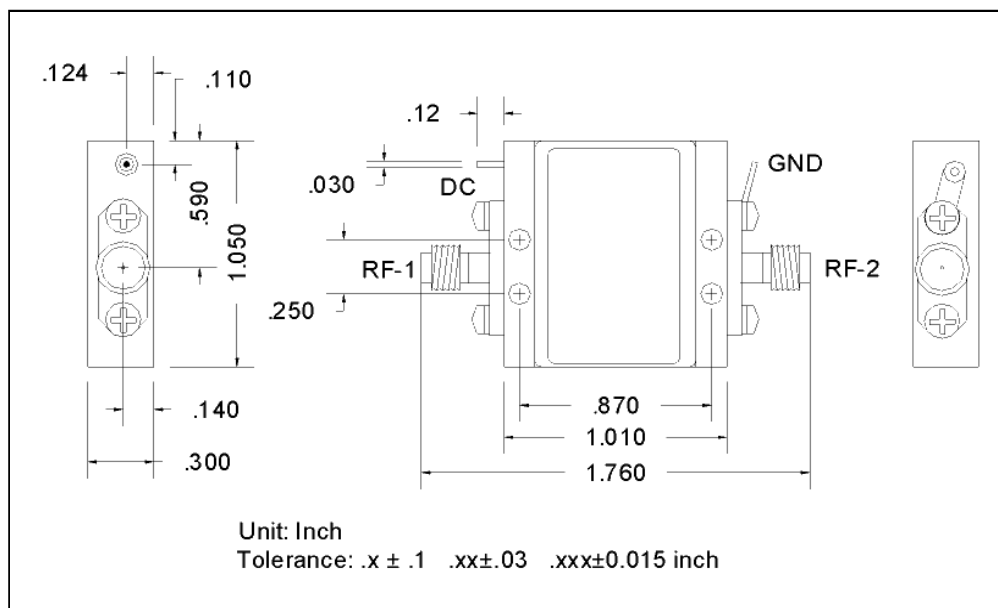


Updated: 11/15/2006

## 8-14 GHz 11dBm Power Amplifier



### 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)
GND	GROUND LUG	1	GND	O	Ground

Updated: 11/15/2006

**NB00424**

---

**8-14 GHz 11dBm Power Amplifier**

---

Updated: 11/15/2006



Nextec Microwave & RF, Inc [WWW.NEXTEC-RF.COM](http://WWW.NEXTEC-RF.COM)  
3010 Scott Blvd., Santa Clara, CA 95054  
(408) 727-1189(Ph)/ (408) 727-5915(Fax)/ [sales@nextec-rf.com](mailto:sales@nextec-rf.com)