

**Features: (typical values)**

- High IP3 ..... +45.0 dBm.
- High Gain ..... + 31 dB.
- Medium Output Power ..... +31.0 dBm.

**Maximum Ratings**

Storage Temperature ..... -40°C to +125°C  
 DC Voltage ..... +17 volts  
 RF Input Power ..... +5 dBm.  
 Case Temperature ..... +95°C

**50-1000 MHz  
 Linear 1 Watt Amplifier**



Electrical Specifications (Referenced to 50 ohms)

Parameter	Typical Conditions	Min Value	Max Value	Units
Frequency		50	1000	MHz.
Gain	31	29		dB.
Gain Flatness	±0.4		+/-1.0	dB.
Reverse Isolation	40			dB.
Pout @ 1dB Comp	31	30		dBm.
Noise Figure	3.0		5.0	dB.
VSWR (Input/Output)	1.8/1.9		2:1/2.2:1	dBm.
IP3 (two-tone)	+42.0	+40.0		
Supply Required	+15/430		+15/460	v/mA.

IP3 measured with 2 tones @+30dBm. per tone  
 Min and max values from 0 to 70 degrees C  
**Require 10uF at Vcc line.**

**Pin Configuration**

Pin #	Description
1	Input
2,4	Ground
3	Vcc
5	Output

