

Features: (typical values)

- High IP3 +45.0 dBm.
- Medium Gain + 26 dB.
- Medium Output Power +31.0 dBm.
- No external components required

**20-1000 MHz
Linear 1 Watt Amplifier**



Maximum Ratings

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

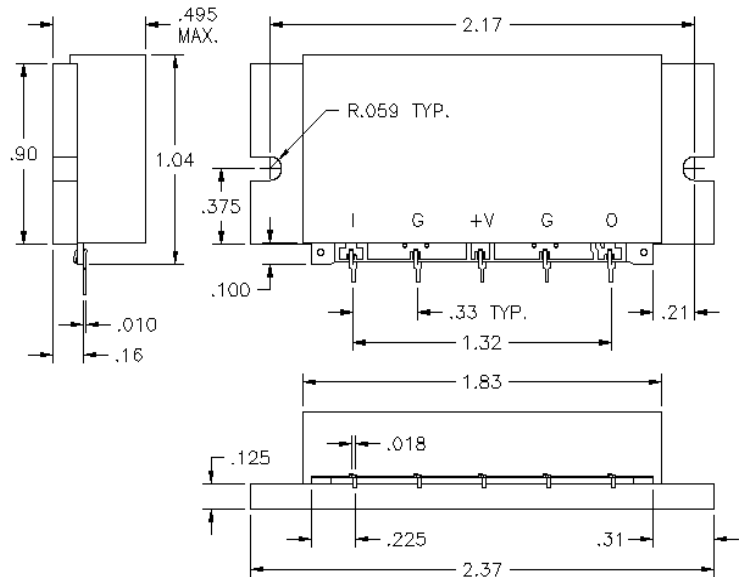
Electrical Specifications (Referenced to 50 ohms)

Parameter	Typical Conditions	Min Value	Max Value	Units
Frequency		20	1000	MHz.
Gain	26	24		dB.
Gain Flatness	±0.4		+/-1.0	dB.
Reverse Isolation	36			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.

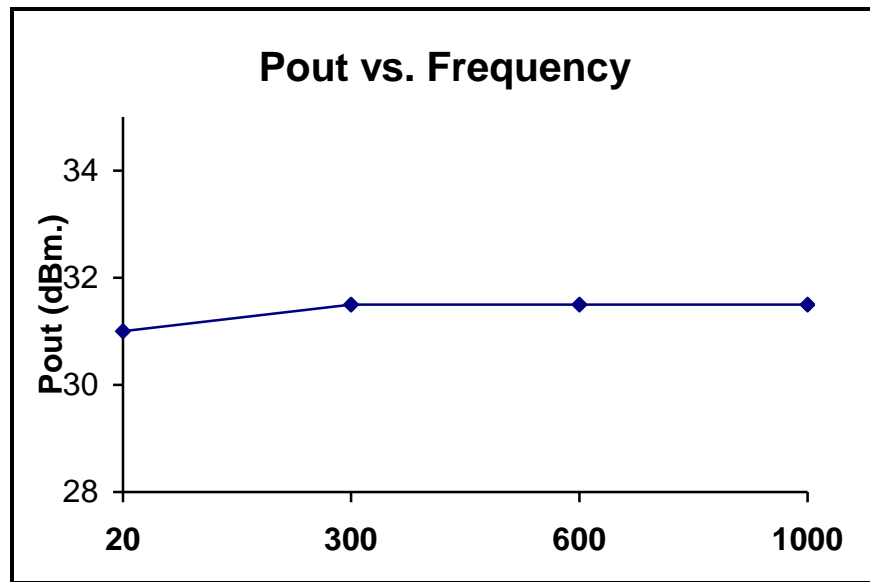
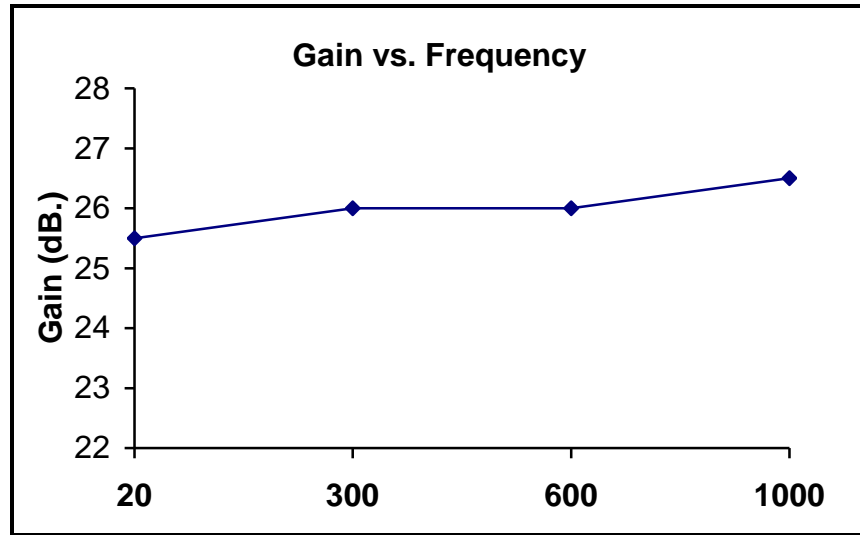
IP3 measured with 2 tones @+30dBm. per tone
 Min and max values from 0 to 70 degrees C
Require 10uF at Vcc line.

Pin Configuration

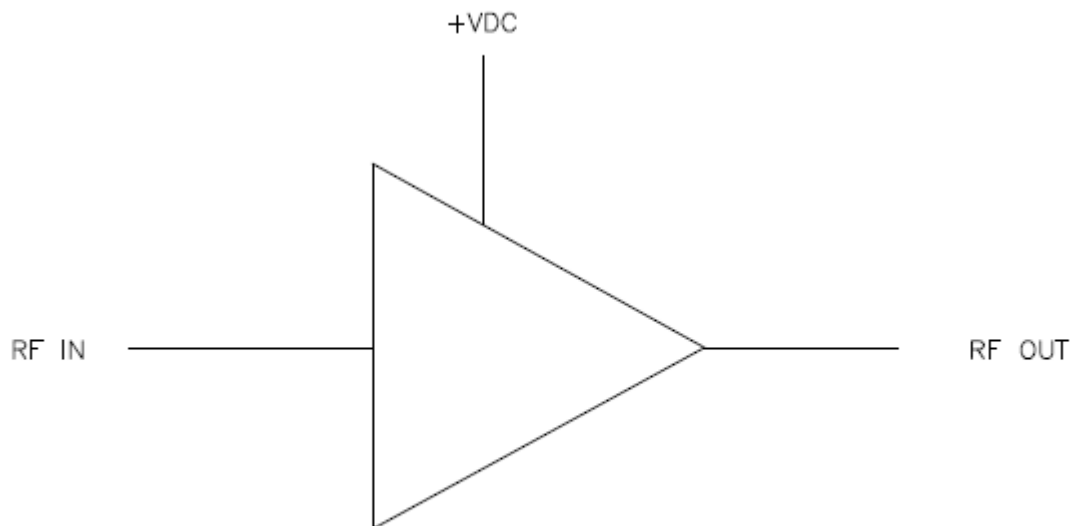
Pin #.....	Description
1.....	Input
2,4.....	Ground
3.....	Vcc
5.....	Output



Typical Performance Curves @ 25°C



FUNCTIONAL BLOCK DIAGRAM



NO EXTERNAL COMPONENT REQUIRED