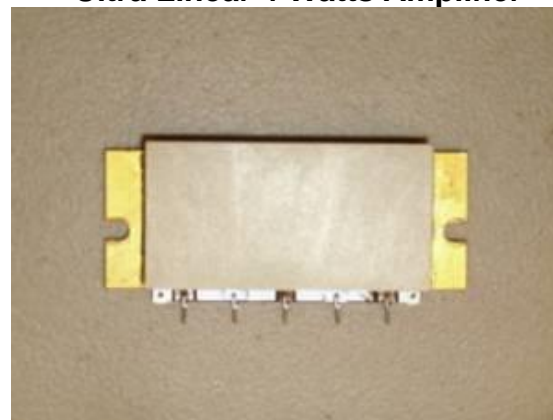


Features: (typical values)

- High IP3 +50.0 dBm.
- High Gain + 26 dB.
- High Output Power +36.0 dBm.
- Low cost
- No external components required

**1805-1880 MHz
Ultra Linear 4 Watts Amplifier**



Maximum Ratings

Storage Temperature -40°C to +125°C
 DC Voltage +12 volts
 RF Input Power +5 dBm.
 Case Temperature +95°C

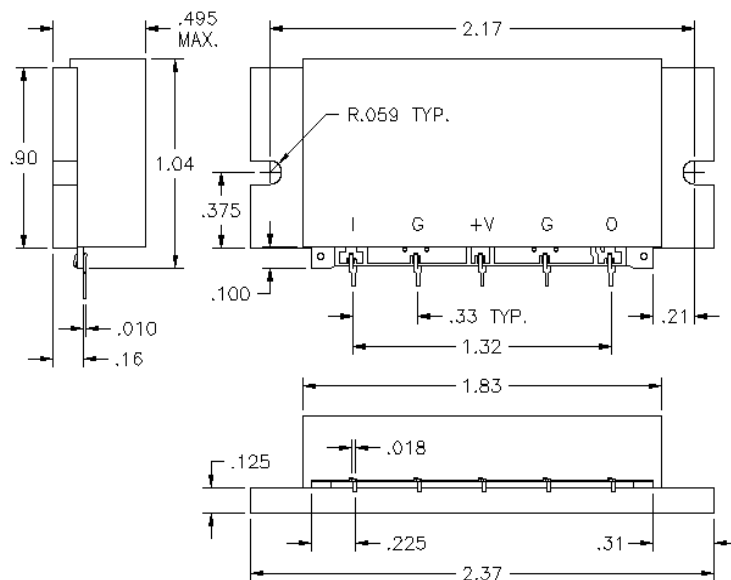
Electrical Specifications (Referenced to 50 ohms)

Parameter	Typical Conditions	Min Value	Max Value	Units
Frequency		1805	1880	MHz.
Gain	26.0	24.0		dB.
Gain Flatness	±0.4		+1.0	dB.
Reverse Isolation	45			dB.
Pout @ 1dB Comp	36.0	35.0		dBm.
Noise Figure	3.0		5.0	dB.
VSWR (Input/Output)	1.8/1.8		2:1	dBm.
IP3 (two-tone)	+50.0	+47.0		
Supply Required	+10/1400		+12/1500	v/mA.

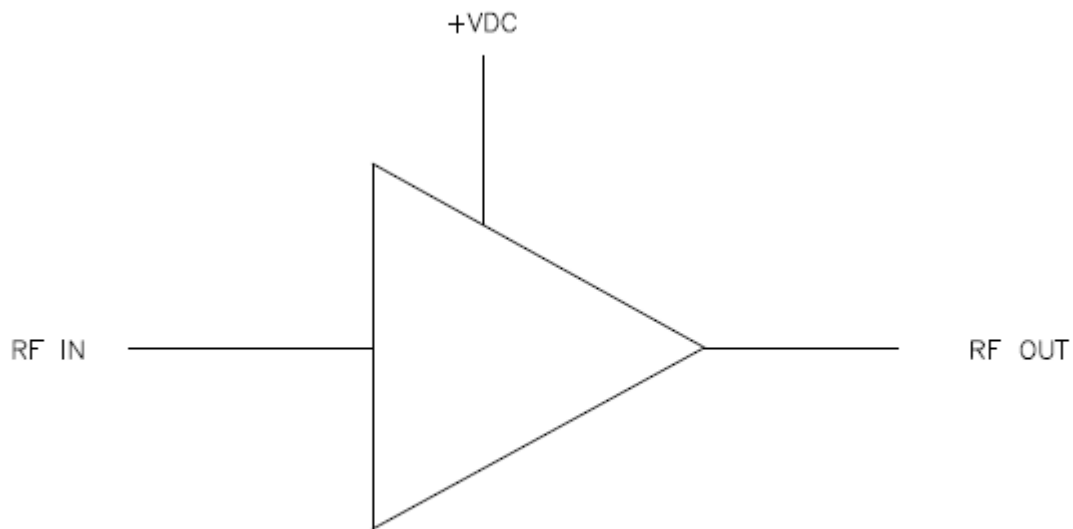
IP3 measured with 2 tones @+20dBm. per tone
 Min and max values from 0 to 70 degrees C
Require 10uF at Vcc line.

Pin Configuration

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



FUNCTIONAL BLOCK DIAGRAM



NO EXTERNAL COMPONENT REQUIRED