

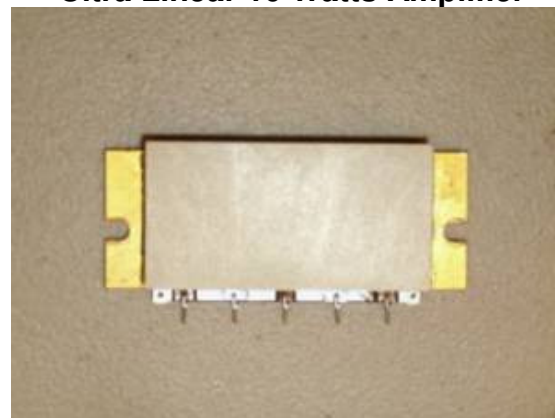
Features: (typical values)

- High IP3 +52.0 dBm.
- High Gain + 24 dB
- High Output Power +40.0 dBm.
- Low cost

Maximum Ratings

Storage Temperature -40°C to +125°C
DC Voltage +14 volts
RF Input Power +5 dBm.
Case Temperature +95°C

2000-2200 MHz Ultra Linear 10 Watts Amplifier



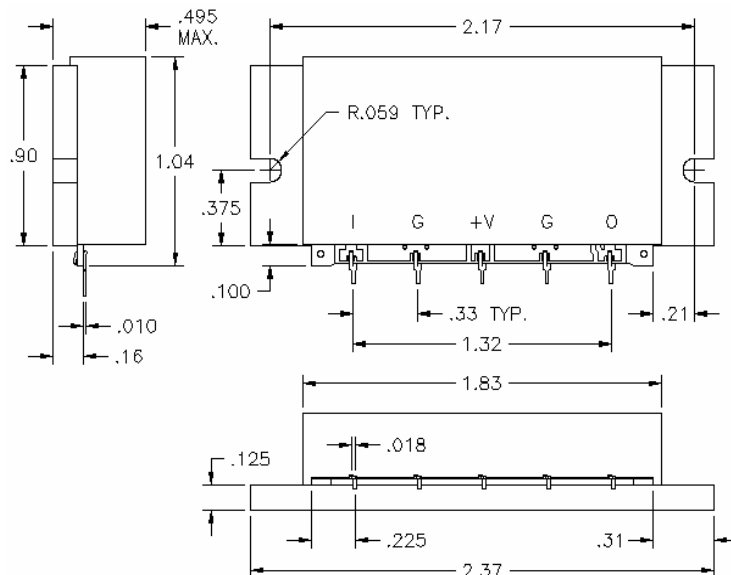
Electrical Specifications (Referenced to 50 ohms)

Parameter	Typical Conditions	Min Value	Max Value	Units
Frequency		2000	2200	MHz.
Gain	24.0	22.0		dB.
Gain Flatness	±0.4		+1.0	dB.
Reverse Isolation	45			dB.
Pout @ 1dB Comp	40.0	39.0		dBm.
Noise Figure	3.0		5.0	dB.
VSWR (Input/Output)	1.8/1.9		2:1/2.5:1	dBm.
IP3 (two-tone)	+52.0	+50.0		
Supply Required	+12/2000		+12/2200	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

