

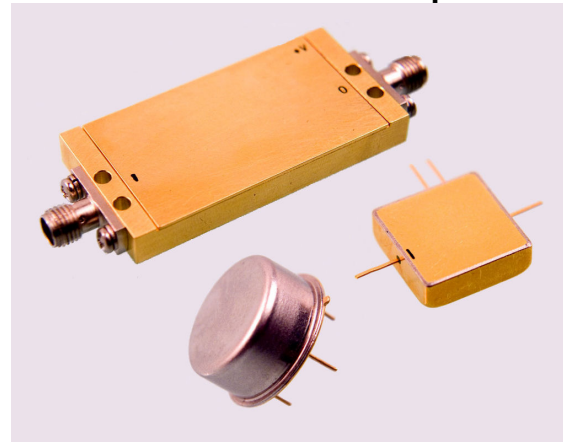
Features: (typical values)

- High IP3 +53.0 dBm.
- Low NF 2.0 dB.
- High Output Power +40.5 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

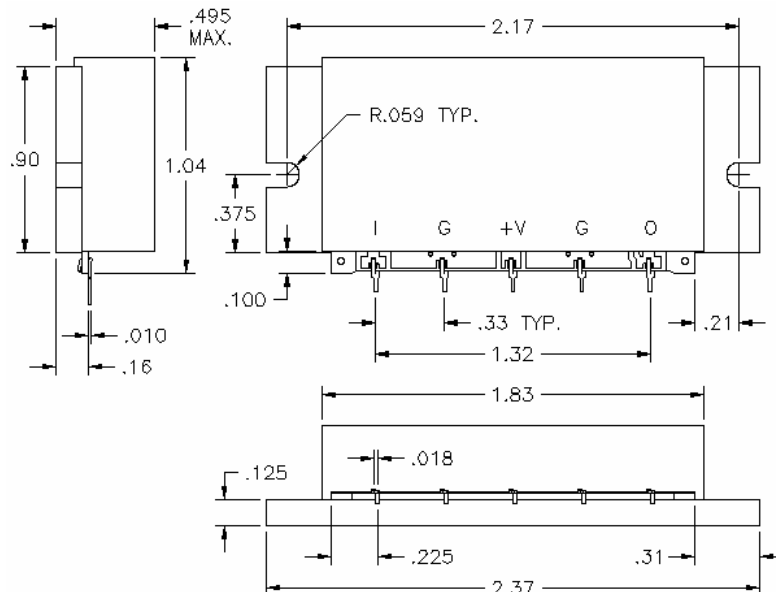
**450-512 MHz
 Ultra-Linear 10 Watt Amplifier**



Specifications (Referenced to 50 ohms)

Parameter	Typical Conditions	Min Value	Max Value	Units
Frequency		450	512	MHz.
Gain	30.0	28.0		dB.
Gain Flatness	±0.2		±1.0	dB.
Reverse Isolation	45			dB.
Pout @ 1dB Comp	40.5	39.0		dBm.
Noise Figure	2.0		3.5	dB.
VSWR (Input/Output)	1.6/1.9		2:1/2.5:1	
IP ₃ (two-tone)	+53.0	+50.0		dBm.
Supply Required	+12/2000		+12/2200	v/mA.

IP₃ measured with 2 tones @+30 dBm. per tone
 Min and max values from 0 to 85 degrees C



Typical Performance Curves @ 25°C

