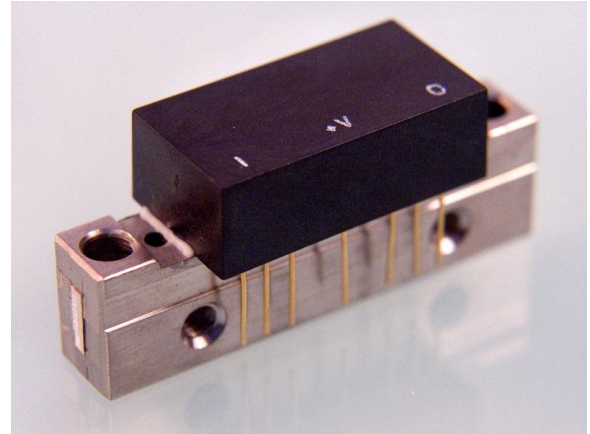


**Features: (typical values)**

- Output Power – 440mW. @ 1dB. compression,
- Low Noise Figure – 5 dB.
- IP3 – 37dBm. @ f = 200 MHz
- IP2 – 60dBm. @ f = 100 MHz
- Usable for 50 – 100 ohm systems
- Unconditional Stability

**1 – 500 MHz  
30 dB CATV Linear  
Amplifier**



**Maximum Ratings**

Storage temperature ..... -55°C to +125°C  
 DC Operating Voltage ..... +28.0 volts  
 RF Input Voltage ..... +10 dBm. Max.  
 Operating Base Temp. .... -20 to +85°C

Specifications @ Tcase = 25°C, Vcc = 24V, 50 ohm systems unless otherwise noted.

Parameter	Typical Conditions	Min Value	Max Value	Units
Frequency Range		1	500	MHz.
Power Gain ( F = 100Mhz )	30	29	31	dB.
Gain Flatness (1-520 Mhz)	1.6		3.0	dB.
Input VSWR	1.5		2.0:1	-
Output VSWR	1.8		2.0:1	-
Noise Figure	F=30 Mhz	6	8	dB.
	F=500 Mhz	8.3	10	dB.
Power Output- 1db Compression ( f = 1-520 MHz )	440	400		mW.
2 <sup>nd</sup> Harminic @10dbm	-55		-45	dBc
Third Order Intercept (IP3)	37	35		dBm.
Second Order Intercept (IP2)	60	50		dBm.
Supply Current	330	300	360	mA.

**Pin Configuration**

PIN#	Description
1	Input
2,3,7,8	Ground
5	+V.
9	Output
4, 6	Not used

