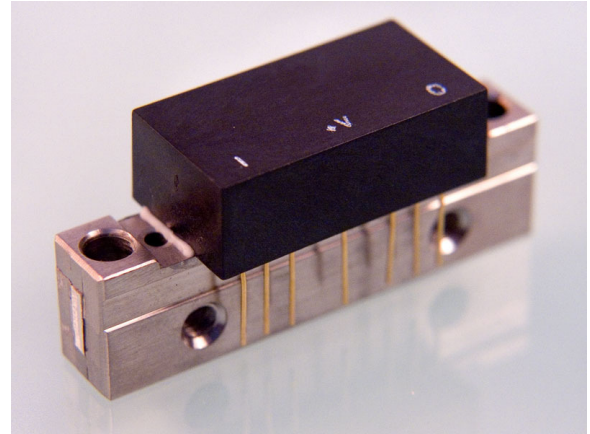


**Features: (typical values)**

- Output Power – 2500mW. @ 1dB. compression, f=100 MHz
- Low Noise Figure – 3.6 dB.
- IP3 – 46 dBm. @ f = 200 MHz
- IP2 – 70 dBm.
- Usable for 50 – 100 ohm systems
- Unconditional Stability

**1 – 200 MHz  
35.0 dB CATV Wideband Linear  
Amplifier**



**Maximum Ratings**

Storage temperature ..... -55°C to +125°C  
 DC Operating Voltage ..... +28.0 volts  
 RF Input Voltage ..... +5 dBm. Max.  
 Operating Base Temp. .... -40 to +90°C

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

Parameter	Typical Conditions	Min Value	Max Value	Units
Frequency Range		1	200	MHz.
Power Gain	35.5	34.0	37.0	dB.
Gain Flatness (peak to peak)	0.5		1.0	dB.
Input VSWR	1.5		2.0:1	-
Output VSWR	1.5		2.0:1	-
Noise Figure ( f = 200mhz )	4.5		6.5	dB.
Power Output- 1dB Compression ( f = 1-200 MHz )	1500	1260		mW.
Power Output- 1 dB Compression (f=150 MHz)	2000			mW.
Third Order Intercept (IP3)	48	45		dBm.
Second Order Intercept (IP2)	70	60		dBm.
Peak Envelope Power (PEP)	900	600		mW.
Supply Current	430		500	mA.

**Pin Configuration**

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

