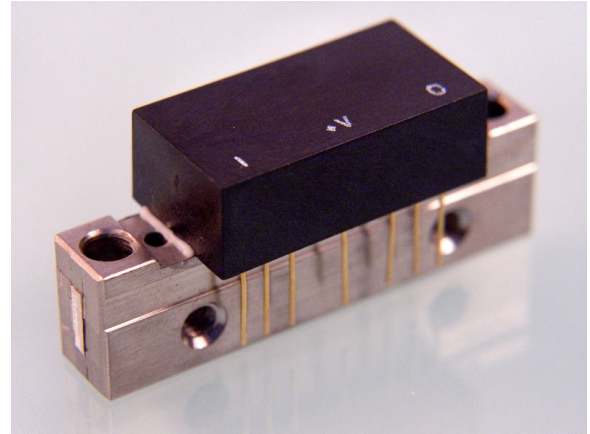


**Features: (typical values)**

- Output Power – 33 dBm. @ 50 MHz
- Low Noise Figure – 3.6 dB.
- IP3 – 46 dBm.
- IP2 – 80 dBm.
- Usable for 50 – 100 ohm systems
- Unconditional Stability

**1 – 50 MHz  
35.0 dB CATV Wideband Linear  
Amplifier**



**Maximum Ratings**

Storage temperature ..... -55°C to +125°C  
 DC Supply Voltage ..... +30.0 volts  
 RF Input Voltage ..... +5 dBm. Max.  
 Operating Base Temp. .... -40 to +90°C

Specifications @ Tcase = 25°C, Vcc = 28V, 50 ohm systems unless otherwise noted.

Parameter	Typical Conditions	Min Value	Max Value	Units
Frequency Range		1	50	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	4.5		6.5	dB.
Power Output- 1dB Compression	32.5	32		dBm.
Third Order Intercept (IP3)	48	45		dBm.
Second Order Intercept (IP2)	70	60		dBm.
2 <sup>nd</sup> and 3 <sup>rd</sup> Harmonics @ 31dBm per tone	65	50		dBc
Supply Current	435		470	mA.

**Pin Configuration**

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

