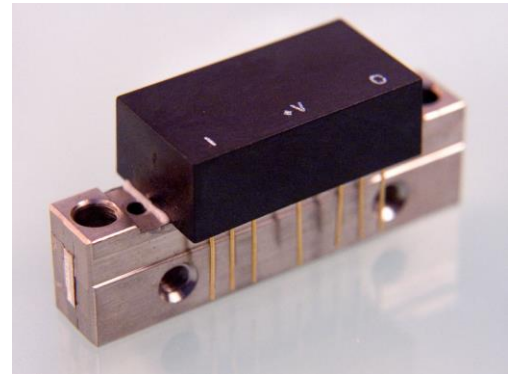


**Features: (typical values)**

- Output Power – 700mW @ 1dB compression, f=50 MHz
- Very high Gain
- Low Noise Figure – 3.6 dB
- IP3 – 45 dBm @ f = 50 MHz
- IP2 – 75 dBm
- Usable for 50 – 100 ohm systems
- Unconditional Stability

**1 – 100 MHz  
35 dB CATV Wideband Linear  
Amplifier**



**Maximum Ratings**

Storage temperature ..... -40°C to +100°C  
 DC Operating Voltage ..... +28.0 volts  
 RF Input Voltage ..... +5 dBm. Max.  
 Operating Base Temp. .... -20 to +100°C

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

Parameter	Typical Conditions	Min Value	Max Value	Units
Frequency Range		1	100	MHz.
Power Gain	35	33	37	dB.
Gain Flatness (peak to peak)	0.5		1.0	dB.
Input VSWR	1.4		2.0:1	-
Output VSWR	1.4		2.0:1	-
Noise Figure( f = 100mhz )	3.6		5.5	dB.
Power Output- 1db Compression	700	500		mW.
Third Order Intercept (IP3)	43	40		dBm.
Second Order Intercept (IP2)	75	60		dBm.
Supply Current	320		340	mA.

**Pin Configuration**

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

