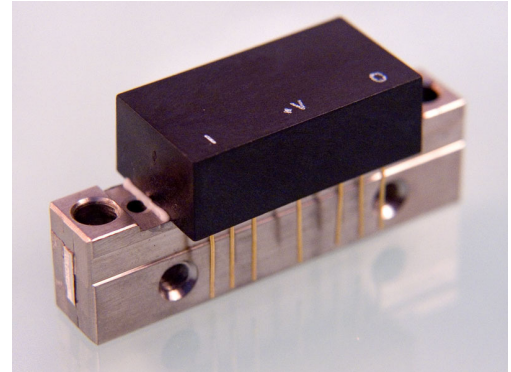


**Features: (typical values)**

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

**0.1 – 100 MHz  
38 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		0.1	100	MHz.
Power Gain	37.5	36.0	39.0	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 ( f = 0.1-100 MHz )	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

