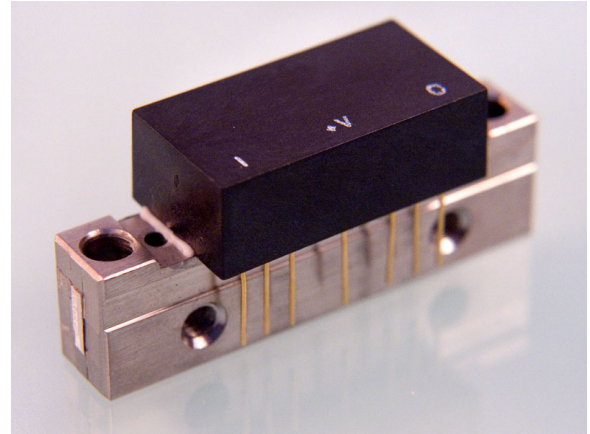


**Features: (typical values)**

- Output Power – 1200mW. @ 1dB. compression, f=200 MHz
- Low Noise Figure – 3.6 dB.
- IP3 – 46 dBm. @ f = 200 MHz
- IP2 – 80 dBm.
- Usable for 50 – 100 ohm systems
- Unconditional Stability

**1 – 320 MHz  
35.0 dB CATV 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. .... -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	320	MHz.
Power Gain	35.5	34.0	37.0	dB.
Gain Flatness (peak to peak)	0.5		1.0	dB.
Input VSWR	1.7		2.0:1	-
Output VSWR	1.7		2.0:1	-
Noise Figure ( f = 200mhz )	4.5		6.5	dB.
Power Output- 1dB Compression ( f = 1-320 MHz )	1000	800		mW.
Power Output- 1 dB Compression (f=200 MHz)	1200			mW.
Third Order Intercept (IP3)	45	42		dBm.
Second Order Intercept (IP2)	80	70		dBm.
Peak Envelope Power (PEP)	900	600		mW.
Supply Current	340		370	mA.

**Pin Configuration**

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

