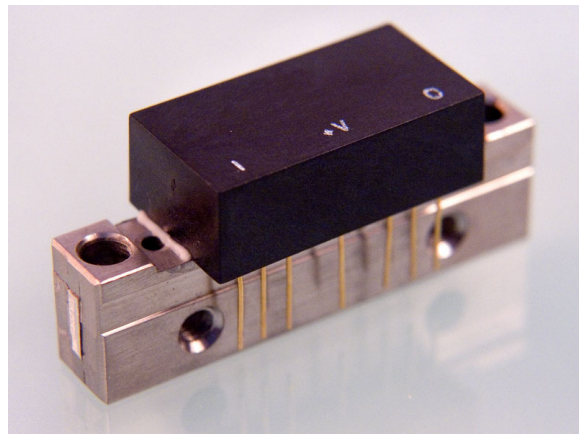


Features: (typical values)

- 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	320		370	mA.

Pin Configuration

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

