

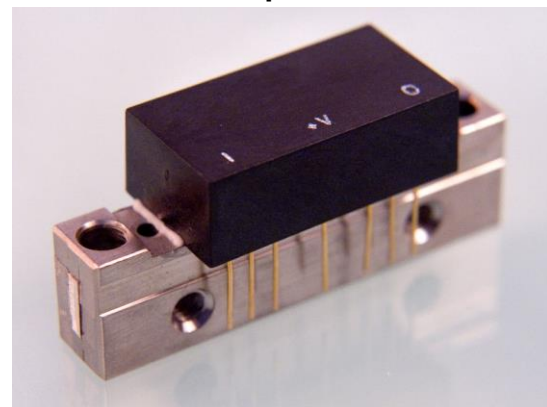
Features: (typical values)

- Output Power – 1100mW. @ 1dB. compression, f=100 MHz
- Low Noise Figure – 5.0 dB.
- IP3 – 46 dBm. @ f = 100 MHz
- IP2 – 80 dBm.
- Usable for 50 – 100 ohm systems
- Unconditional Stability

Maximum Ratings

Storage temperature -55°C to +125°C
 DC Operating Voltage +25.0 volts
 RF Input Voltage +5 dBm. Max.
 Operating Base Temp. -20 to +85°C

5 – 200 MHz 35.0 dB CATV Linear Amplifier



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

Parameter	Typical Conditions	Min Value	Max Value	Units
Frequency Range		5	200	MHz.
Power Gain	35.5	34.0	37.0	dB.
Gain Flatness (peak to peak)	0.5		1.0	dB.
Input VSWR	1.4		1.7:1	-
Output VSWR	1.4		1.7:1	-
Noise Figure (f = 200mhz)	5.0		6.0	dB.
Power Output- 1dB Compression (f = 1-200 MHz)	1000	800		mW.
Power Output- 1 dB Compression (f=100 MHz)	1100			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

