



CA2832

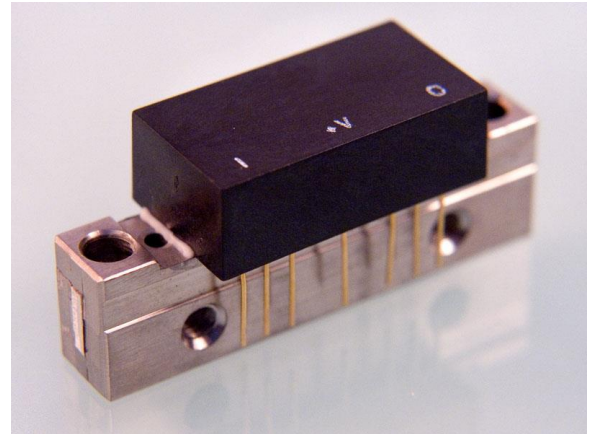
Features: (typical values)

- Output Power – 2400mW. @ 1dB. compression, f=100 MHz
- Low Noise Figure – 3.6 dB.
- IP3 – 46 dBm. @ f = 200 MHz
- IP2 – 80 dBm.
- Usable for 50 – 100 ohm systems
- Unconditional Stability

Maximum Ratings

Storage temperature -55°C to +125°C
DC Supply Voltage +30.0 volts
RF Input Voltage +5 dBm. Max.
Operating Base Temp. -40 to +90°C

1 – 200 MHz 35.0 dB CATV Wideband Linear Amplifier



Specifications @ Tcase = 25°C, Vcc = 28V, 50 ohm systems unless otherwise noted.

Parameter	Typical Conditions	Min Value	Max Value	Units
Frequency Range		1	200	MHz.
Power Gain	35.5	34.0	37.0	dB.
Gain Flatness (peak to peak)	0.5		1.0	dB.
Input VSWR	1.5		2.0:1	-
Output VSWR	1.5		2.0:1	-
Noise Figure (f = 200mhz)	4.5		6.5	dB.
Power Output- 1dB Compression (f = 1-200 MHz)	1780	1580		mW.
Power Output- 1 dB Compression (f=100 MHz)	2400			mW.
Third Order Intercept (IP3)	48	45		dBm.
Second Order Intercept (IP2)	70	60		dBm.
Peak Envelope Power (PEP)	900	600		mW.
Supply Current	435		470	mA.

Pin Configuration

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

