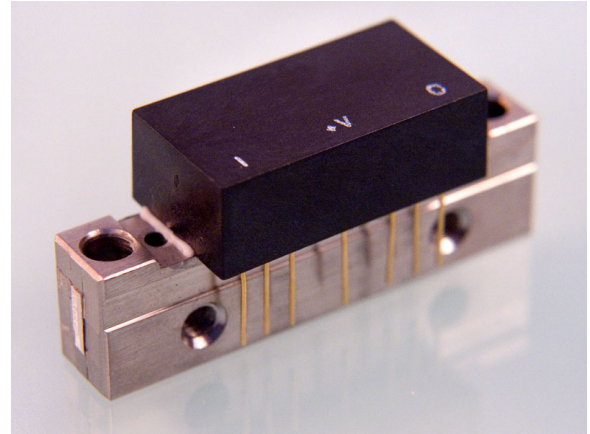


**Features: (typical values)**

- Ultra High Linearity
- Low Noise Figure
- Rugged Construction
- Usable for Reverse or Forward path
- Usable for 50 to 75 ohm operation
- Unconditional Stability

**10 – 550 MHz  
22dB CATV Ultra-linear  
Amplifier**



**Maximum Ratings**

Storage temperature ..... -40°C to +100°C  
 DC Operating Voltage ..... +26.0 volts  
 RF Input Voltage ..... 40 dBmV max.  
 Operating Base Temp. .... +100°C

Specifications @ Tcase = 30°C (Referenced to 50 ohms)

Parameter	Typical Conditions	Min Value	Max Value	Units
Frequency Range		10	550	MHz.
Power Gain	f = 10MHz. TO 550MHz.	21.0	24.0	dB.
Cable equivalent slope	f = 10MHz. TO 550MHz.	0	1.0	dB.
Gain Flatness (peak to valley)	f = 10MHz. TO 550MHz.		1.0	dB.
Input/Output VSWR	1.9:1		2.2:1	dB.
IP <sub>3</sub> 2 tones @ +17dbm per tone	51	49		dBm.
IP <sub>2</sub> 2 tones @ +17dbm per tone	85	80		dBm.
P1dB	36	35		dbm
Noise Figure (NF)	2.3 dB		4.0	dB.
Total Current (I <sub>TOT</sub> )	+24V/425mA		480	mA.

**Pin Configuration**

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

