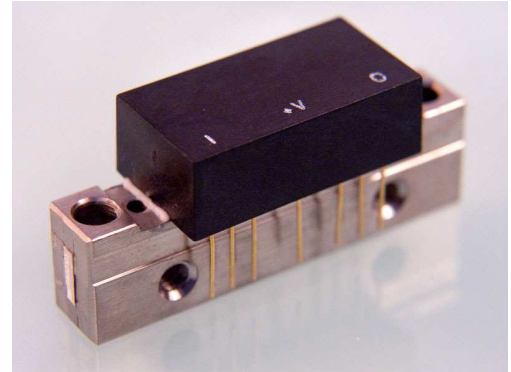


Features: (typical values)

- Output Power – 700mW @ 1dB compression, f=50 MHZ
- Very high Gain
- Low Noise Figure – 3.6 dB
- IP3 – 45 dBm @ f = 100 MHZ
- IP2 – 75 dBm
- Usable for 50 – 100 ohm systems
- Unconditional Stability

**40 – 750 MHz
37 dB CATV Wideband Linear
Amplifier**



Maximum Ratings

Storage temperature -40°C to +100°C
 DC Operating Voltage +28.0 volts
 RF Input Voltage +5 dBm. Max.
 Operating Base Temp. -20 to +100°C

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

Parameter	Typical Conditions	Min Value	Max Value	Units
Frequency Range		40	750	MHZ.
Power Gain	37	35.0	39.0	dB.
Gain Flatness (peak to peak)	0.5		1.0	dB.
Input VSWR	1.4		2.0:1	-
Output VSWR	1.4		2.0:1	-
Noise Figure	3.6		5.5	dB.
Power Output- 1db Compression	700	500		mW.
Third Order Intercept (IP3)	43	40		dBm.
Second Order Intercept (IP2)	75	60		dBm.
Supply Current	320		340	mA.

Pin Configuration

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

