

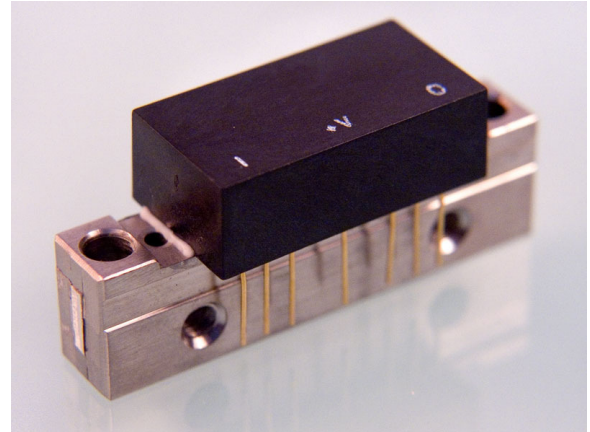
Features: (typical values)

- Output Power – 1000mW. @ 1dB. compression, f=15 MHz
- Low Noise Figure – 3.6 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 +24.5 volts
 RF Input Power +15 dBm. Max.
 Operating Base Temp. -40 to +90°C

**1 – 200 MHz
 19.0 dB CATV Wideband Linear
 Amplifier**



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

Parameter	Typical Conditions	Min Value	Max Value	Units
Frequency Range		1	200	MHZ.
Power Gain	19.0	18.0	20.0	dB.
Gain Flatness (peak to peak)	0.5		1.0	dB.
Input VSWR	1.3		1.7:1	-
Output VSWR	1.3		1.7:1	-
Noise Figure	4.0		5.0	dB.
Power Output- 1dB Compression	1000	800		mW.
Third Order Intercept (IP3)	46	44		dBm.
Second Order Intercept (IP2)	80	70		dBm.
Peak Envelope Power (PEP)	700	400		mW.
Supply Current	230		250	mA.

Pin Configuration

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

