

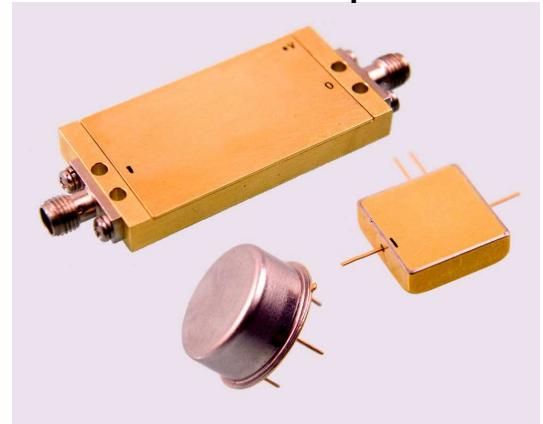
**Features: (typical values)**

- Noise Figure ..... 3.0 dB.
- High Power ..... 22 dBm.
- Low Cost

**Maximum Ratings**

Storage Temperature ..... -62°C to +125°C  
 DC Voltage ..... +17 volts  
 RF Input Power ..... +7.0 dBm.  
 Case Temperature ..... +100°C

**5-500 MHz  
Cascadable Amplifier**



Specifications (Referenced to 50 ohms)

Parameter	Typical Conditions	Min Value	Max Value	Units
Frequency		5	500	MHz.
Gain	11	10		dB.
Gain Flatness	±0.3		±0.5	dB.
Gain Var. over temp	0.6			ΔdB.
Pout @ 1dB Comp	+22	+20		dBm.
Noise Figure	3.0		4.0	dB.
Reverse Isolation	20			dB.
IP <sub>3</sub> /IP <sub>2</sub> (two-tone)*	33/39			dBm.
HIP2 (2 <sup>nd</sup> harm.)	40			dBm.
VSWR In/Out	1.5:1		2.0:1	
Supply Required	+15/95		+15/100	v/mA.

Min. and max. values are from -55°C to +85°C  
 \*IP3 and IP2 are in band output intercept points

