

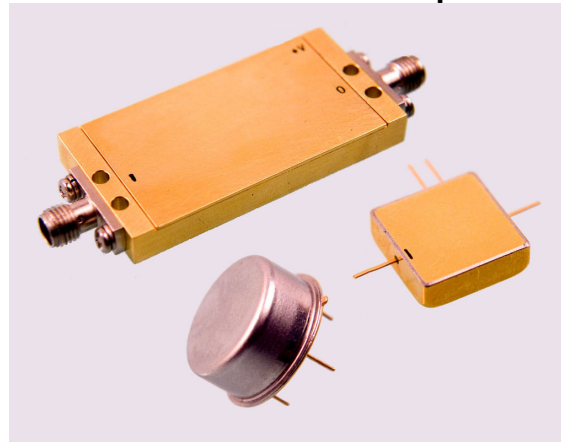
### Features: (typical values)

- Low Distortion
- High Second Order IP<sub>2</sub> ..... +95.0 dBm.
- High Third Order IP<sub>3</sub> ..... +47.0 dBm.

### Maximum Ratings

Storage Temperature ..... -62°C to +125°C  
 DC Voltage ..... +25 volts  
 RF Input Power ..... +15.0 dBm.  
 Case Temperature ..... +95°C

### 60-250 MHz Push-Pull Wideband Amplifier



Specifications (Referenced to 50 ohms)

Parameter	Typical Conditions	Min Value	Max Value	Units
Frequency		60	250	MHz.
Gain	17	15		dB.
Gain Flatness	±0.4		±0.6	dB.
Gain Var. over temp	0.7			ΔdB.
Pout @ 1dB Comp	+30	+28		dBm.
Noise Figure	4.0		6.0	dB.
Reverse Isolation	25			dB.
IP <sub>3</sub> /IP <sub>2</sub> (two-tone)*	47/95			dBm.
HIP2 (2 <sup>nd</sup> harm.)	95			dBm.
VSWR In/Out	1.7:1		2.0:1	
Supply Required	+24/450		+24/470	v/mA.

Min. and max. values are from -40°C to +85°C

\*IP<sub>3</sub> and IP<sub>2</sub> are in band output intercept points

