

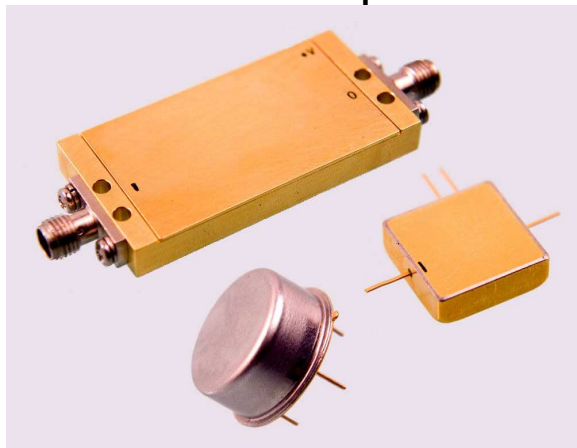
**Features: (typical values)**

- Low Distortion
- High Second Order IP2 ..... +80.0 dBm.
- High Third Order IP3 ..... +45.0 dBm.
- High Gain..... +15 dB.

**Maximum Ratings**

Storage Temperature ..... -55°C to +125°C  
 DC Voltage ..... +17 volts  
 RF Input Power ..... +15.0 dBm.  
 Case Temperature ..... +95°C

**20-150 MHz  
 Push-Pull Amplifier**



Specifications (Referenced to 50 ohms)

Parameter	Typical Conditions	Min Value	Max Value	Units
Frequency		20	150	MHz.
Gain	15	13	17	dB.
Gain Flatness	±0.3		±0.7	dB.
Gain Var. over temp.	0.5			ΔdB.
Pout @ 1dB Comp	+28	+26		dBm.
Noise Figure	3.5		4.0	dB.
Reverse Isolation	22			dB.
IP <sub>3</sub> /IP <sub>2</sub> (two tone)*	45/80			dBm.
HIP2 (2 <sup>nd</sup> harm.)	80			dBm.
VSWR In/Out	1.4:1		2.0:1	Ratio
Supply Required	+15/230		+15V/250	v/mA

Min. and max. values are from 0°C to +85°C

\*IP3 and IP2 are in band output intercept points

