

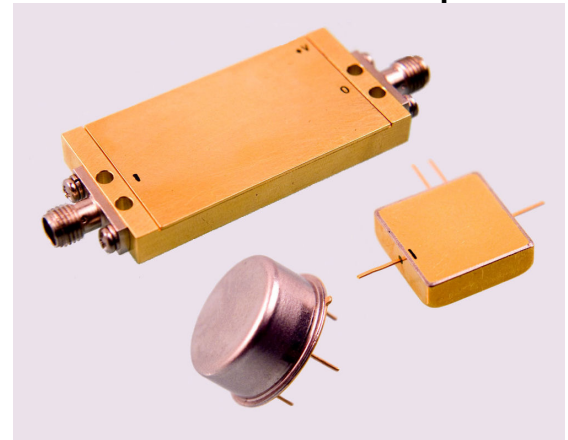
Features: (typical values)

- Low Distortion
- High Second Order IP2 +65.0 dBm.
- High Third Order IP3 +43.0 dBm.

Maximum Ratings

Storage Temperature -62°C to +125°C
 DC Voltage +17 volts
 RF Input Power +15.0 dBm.
 Case Temperature +95°C

**500-2000 MHz
 Push-Pull Wideband Amplifier**



Specifications (Referenced to 50 ohms)

Parameter	Typical Conditions	Min Value	Max Value	Units
Frequency		500	2000	MHz.
Gain	12	10.0		dB.
Gain Flatness	±0.4		±1.0	dB.
Gain Var. over temp	0.7			ΔdB.
Pout @ 1dB Comp	+28	+26		dBm.
Noise Figure	4.0		6.0	dB.
Reverse Isolation	17.0			dB.
IP ₃ /IP ₂ (two-tone)*	43/65	38/60		dBm.
HIP2 (2 nd harm.)	75			dBm.
VSWR In/Out	1.7:1		2.0:1	
Supply Required	+15/350		+15/380	v/mA.

Min. and max. values are from -40°C to +85°C
 *IP3 and IP2 are in band output intercept points

