

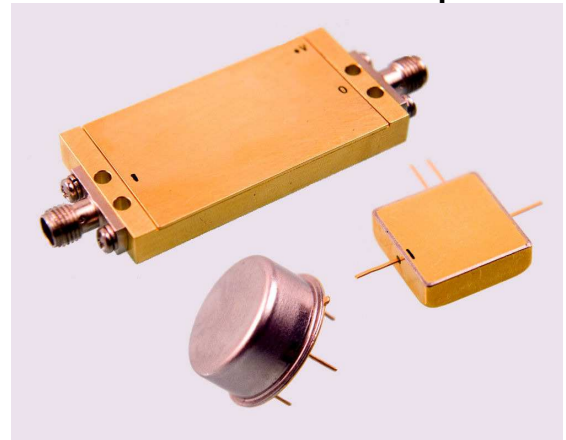
**Features: (typical values)**

- 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 <sub>3</sub> /IP <sub>2</sub> (two-tone)* | 43/65              | 38/60     |           | dBm.  |
| HIP2 (2 <sup>nd</sup> 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

