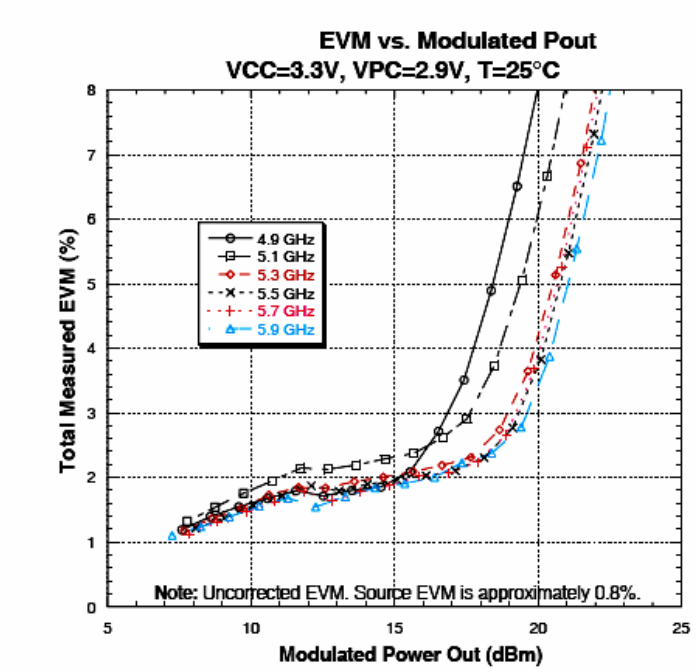
AMP-5800
SMALL 4.9-5.9 GHz RF LINEAR AMPLIFIER 500MW

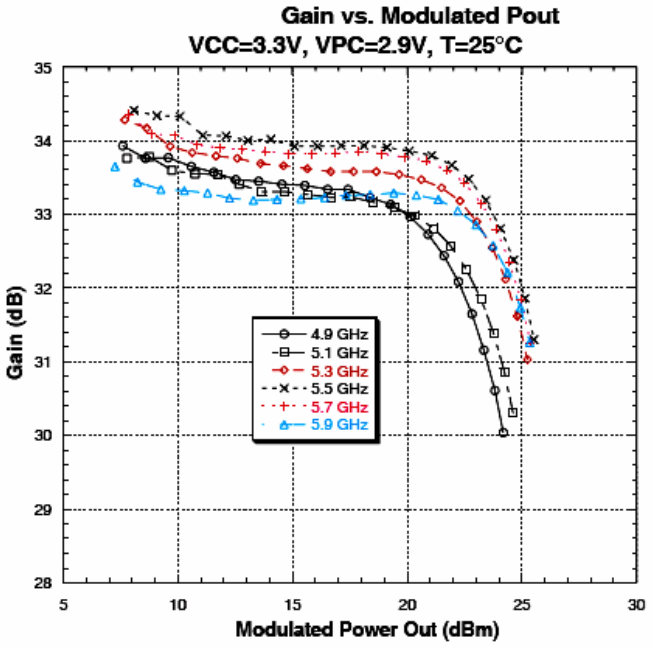
This is a smallest linear amplifier for 4.9 GHz- 5.9 GHz band. This small amplifier requires 1 mW input RF Power for the maximum output power of 500 mW. It is excellent for security applications or small airplane models. It works at 3 V -5 V with a current consumption of 550 mA. Dimensions: 25 mm X 19 mm

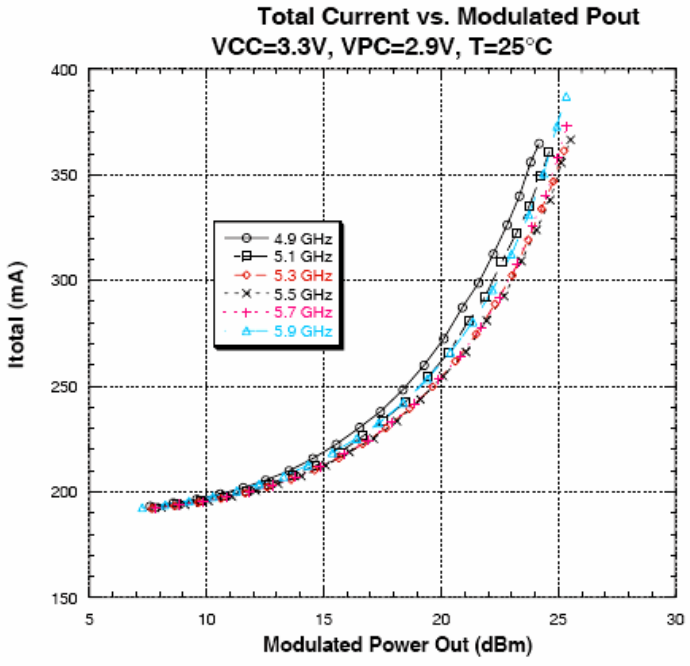
Features

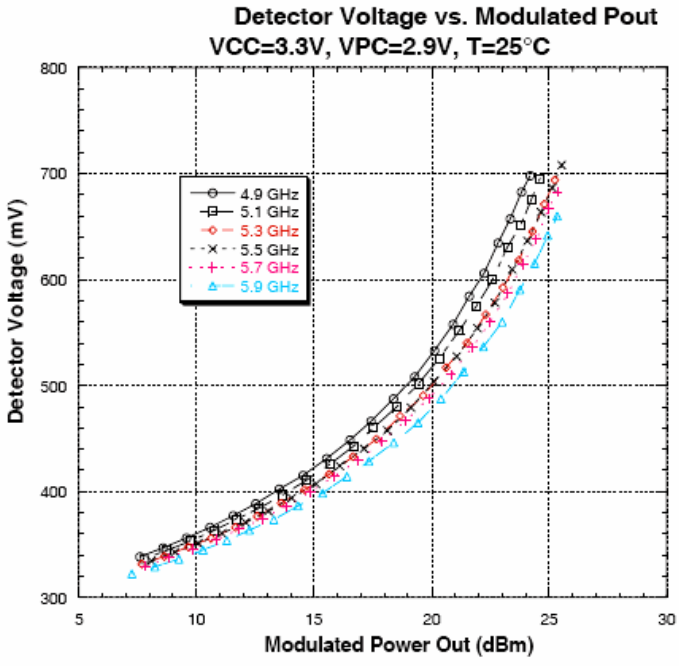
- Full 4.9 to 5.9 GHz operation
- 34 dB small signal gain
- 230 mA total current at 18 dBm modulated power out
- 2.3% EVM at 18 dBm modulated power out
- 3.3 V collector supply voltage
- Integrated power detector with 20 dB dynamic range
- Lead-free 5 x 5 x 1.5 mm leadless package
- Internally matched to 50 and DC blocked RF input/output
- Internal DC bias de-coupling
- Optimized for use in 802.11a applications

Performance Data
802.11a OFDM Modulation
(176 ms burst time, 100 ms idle time) 54 Mbps Data Rate, 16.7 MHz Bandwidth









Performance Data
Single Tone