

***LTC News for Immediate Release***

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**Dual RF Power Detector Capable of 11GHz Operation  
Addresses Multi-Band Applications**

MILPITAS, CA – March 23, 2006 – The LTC5533 dual channel RF power detector from Linear Technology is the first in the industry to reach the 11GHz range, making it ideal for multi-band WiFi, WiMAX and other radio applications. Covering RF applications ranging from 300MHz to 11GHz, the dual channel LTC5533 supports multiple frequencies in one package, as needed for multi-band applications. The device draws extremely low power of 500uA per detector, significantly reducing system power demands.

The LTC5533 contains temperature compensation circuitry that provides exceptionally stable and accurate measurements over the full range of temperature extremes. The device includes buffer amplifiers and is housed in a tiny, space-saving surface mount package. The LTC5533 features 40dB dynamic range and 45 dB channel-to-channel isolation.

The LTC5533 dual RF power detector is ideal for a range of applications, including dual-band WiFi PA power control, dual-band cellular/WiMAX basestations, point-to-point microwave links, transmit PA forward and reverse power measurements and low cost AM detector/receivers.

The LTC5533 is available from stock in a compact 4mm x 3mm DFN package, priced at \$3.20 each in 1,000-piece quantities.

## Summary of Features: LTC5533

- Two Independent Temperature-Compensated Schottky Diode RF Peak Detectors
- 45dB Channel-to Channel Isolation at 2GHz
- Wide Input Frequency Range: 300MHz to 11GHz
- Wide Input Power Range: -32dBm to 12dBm
- Wide  $V_{CC}$  Range of 2.7V to 6V

## Company Background

Linear Technology Corporation, a manufacturer of high performance linear integrated circuits, was founded in 1981, became a public company in 1986 and joined the S&P 500 index of major public companies in 2000. Linear Technology products include high performance amplifiers, comparators, voltage references, monolithic filters, linear regulators, DC-DC converters, battery chargers, data converters, communications interface circuits, RF signal conditioning circuits, and many other analog functions. Applications for Linear Technology's high performance circuits include telecommunications, cellular telephones, networking products such as optical switches, notebook and desktop computers, computer peripherals, video/multimedia, industrial instrumentation, security monitoring devices, high-end consumer products such as digital cameras and MP3 players, complex medical devices, automotive electronics, factory automation, process control, and military and space systems. For more information, visit [www.linear.com](http://www.linear.com)

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