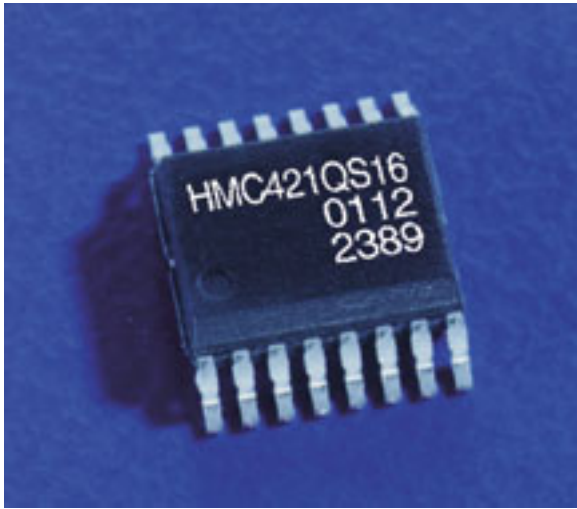


## MMIC Mixer With Integrated LO and IF Amplifiers



Hittite Microwave introduces a high linearity down-converter receiver IC designed to support WCDMA applications where a high third order intercept (OIP3) point is required. A passive mixer coupled with a high dynamic range IF amplifier achieves an OIP3 of +29 dBm, and an input IP3 of +19 dBm. The HMC421QS16 provides a gain of 8 dB and 10 dB typical single sideband noise. This design requires no external Baluns, and minimal off chip components. The HMC421QS16 is ideal for usage in MMDS, WLL, WLAN, and Cellular Infrastructure applications.

**Source URL (retrieved on 03/06/2015 - 7:24pm):**

<http://www.wirelessdesignmag.com/product-releases/2002/04/mmic-mixer-integrated-lo-and-if-amplifiers>