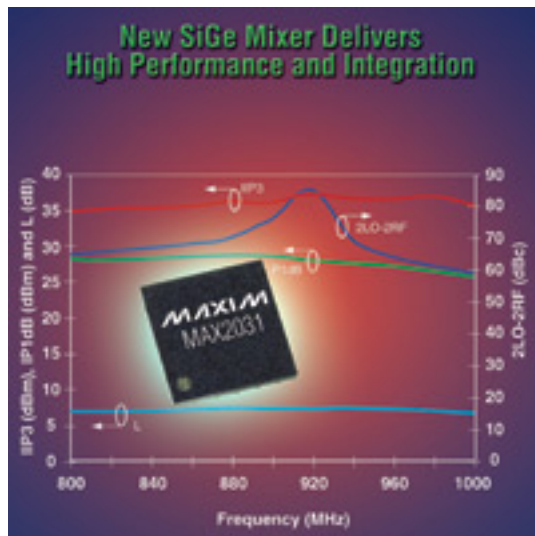


## Passive Mixer



Maxim Integrated Products introduces the MAX2031, a fully integrated, 815 to 1000 MHz SiGe passive mixer. This single IC provides 36dBm of IIP3, 27dBm of IP1dB, 7dB of noise figure and a conversion loss of only 7 dB. In addition, the MAX2031 exhibits excellent 2nd and 3rd-order spurious suppression. Designed specifically for 2.5G/3G wireless-infrastructure applications, the MAX2031 delivers an unparalleled combination of linearity, noise performance and component integration. The MAX2031 is suitable for 815 to 1000MHz WCDMA, GSM850/GSM900 EDGE, cdma2000 and iDEN® base-station applications where high linearity and low noise figure are critical for enhanced receiver and transmitter performance. The device offers an exceptionally wide DC to 250 MHz IF frequency range with a 960 to 1180 MHz high-side LO injection range. LO frequencies of 325 to 850MHz are also supported by the MAX2029, which has been optimized for low-side LO injection architectures.

, [www.maxim-ic.com](http://www.maxim-ic.com) 800-998-9872

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