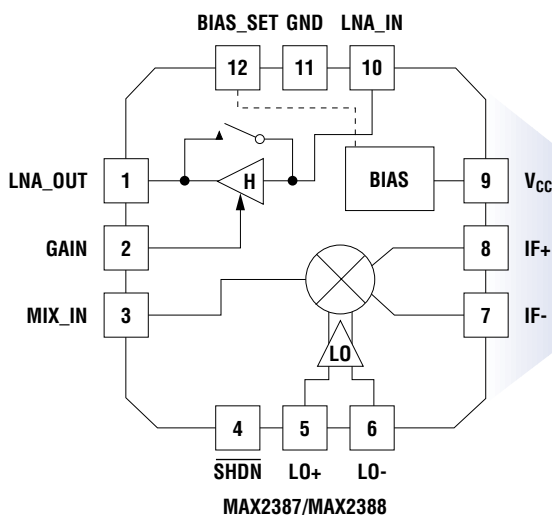


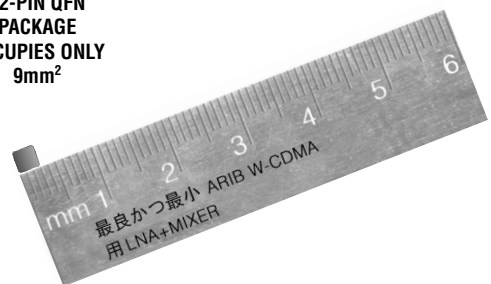
W-CDMA 2GHz LNA/MIXERS DRAW LESS THAN 8mA

Perform Better than Discretes in Less than Half the Size

The MAX2387/8/9 are designed for the emerging ARIB (Japan) and ETSI-UMTS (Europe) third-generation wideband CDMA (W-CDMA) markets. These SiGe devices consist of a dual-gain LNA and a low-current, ultra-low-noise mixer, both optimized for 2110MHz to 2170MHz operation. Their high gain and IP3 simplify meeting system noise and interference specifications, and the adjustable-gain LNA increases dynamic range while reducing average current consumption to less than 8mA. The new 12-pin leadless QFN package measures only 3mm x 3mm, which saves valuable board space. For applications not requiring an on-chip LO buffer, Maxim offers the MAX2389.

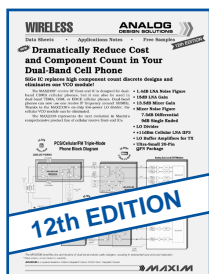


12-PIN QFN
PACKAGE
OCCUPIES ONLY
9mm²



PART	LO INPUT POWER	LNA GAIN (HIGH GAIN/LOW GAIN) (dB)	MIXER GAIN (dB)	CASCADE NOISE (2.5dB FILTER LOSS) (HIGH GAIN) (dB)	CASCADE IIP3 (2.5dB FILTER LOSS) (HIGH GAIN) (dBm)	SUPPLY CURRENT (HIGH GAIN/LOW GAIN) (mA)
MAX2387	-10dBm ±3dB	15/-16.5	10	2.4	-5.7	10.7/7.2
MAX2388	-10dBm ±3dB	15/-3	10	2.4	-4.2	10/6.7
MAX2389	-4dBm ±3dB	15/-3	10	2.4	-7.8	7.9/4.7

IP3s range from +3dBm to +4dBm for the LNA and from +5dBm to +9dBm for the mixer.



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