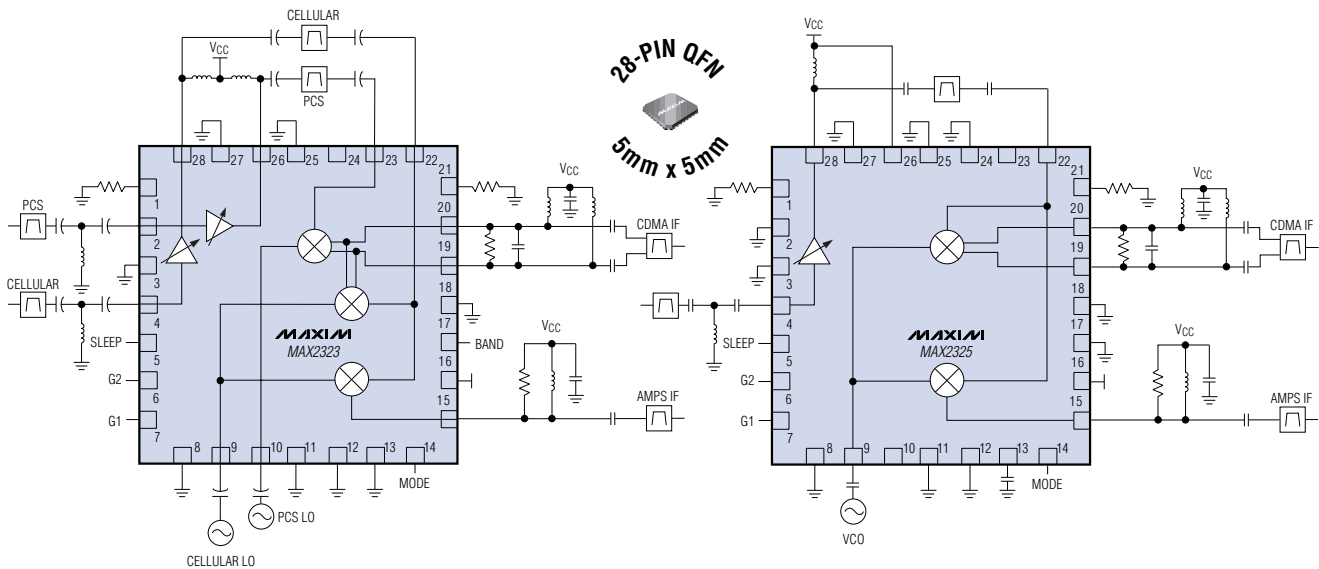


# WORLD'S SMALLEST DUAL-BAND CELL PHONE LNA + MIXER IC HAS HIGHEST IP3

## SiGe IC in 5mm x 5mm QFN Package Sets New Industry Standard

The MAX2323 low-noise amplifier (LNA) plus mixer is designed for dual-band CDMA cellular phones and can also be used in dual-band TDMA, GSM, or EDGE cellular phones. It includes all circuitry needed from the antenna to the IF filter in a miniature QFN package. The LNAs have unprecedented input IP3 and the mixers have very high gain, which is essential to meet sensitivity goals. Both LNAs have switched gain states to conserve power and increase dynamic range. The low-band LNA has three gain states for optimum IP3 margin in CDMA systems. The MAX2323 addresses dual-band, tri-mode applications, and the MAX2325 is a pin-compatible cellular-band version.

- ◆ Over 26dB Overall Gain
- ◆ <2.6dB Cascade PCS Noise Figure (Includes 3dB Interstage Filter Loss)
- ◆ Ultra-Small 28-Pin MFL2 Package
- ◆ Multiple Power-Saving Modes, Including a 17mA Paging Mode
- ◆ Switchable LNA Gain
- ◆ >+10dBm LNA IIP3 Adjustable to >+13dBm IIP3



Very high input IP3 and the industry's smallest package make the MAX2323 unique.

The cellular-band only MAX2325 is pin compatible with the MAX2323.



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