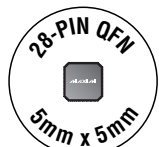


Dramatically Reduce Cost and Component Count in Your Dual-Band Cell Phone

SiGe IC Replaces High Component Count Discrete Designs and Eliminates One VCO Module

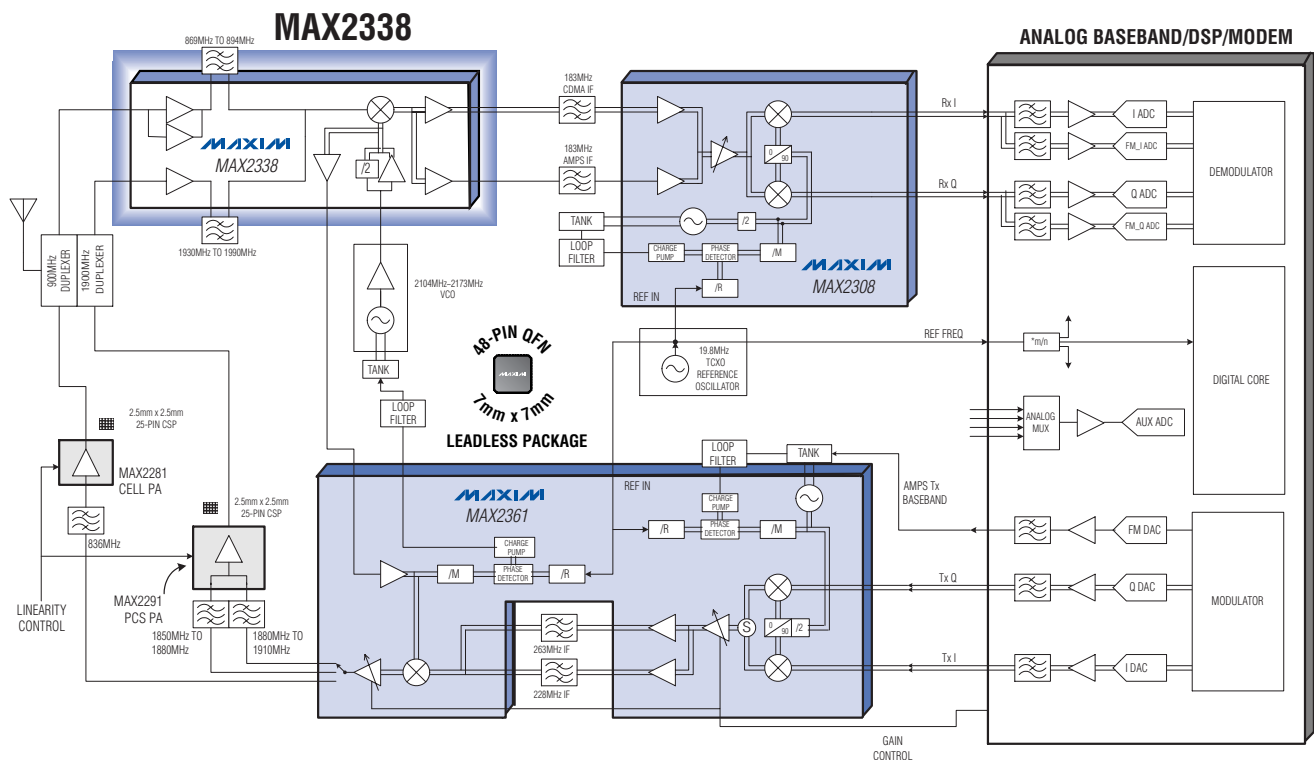
The MAX2338 receive RF front-end IC is designed for dual-band CDMA cellular phones, but it can also be used in dual-band TDMA, GSM, or EDGE cellular phones. Dual-band phones can now use one receive IF frequency around 183MHz. The MAX2338's on-chip, low-power LO divider eliminates the need for the cellular VCO module.

The MAX2338 represents the next generation in Maxim's comprehensive product line of cellular receive front-end ICs.



LEADLESS PACKAGE

PCS/Cellular/FM Triple-Mode Phone Block Diagram



Features:

- **1.4dB LNA Noise Figure**
- **15dB LNA Gain**
- **13.5dB Mixer Gain**
- **Mixer Noise Figure:**
7.5dB Differential
9dB Single-Ended
- **LO Divider**
- **+11dBm Cellular LNA IIP3**
- **LO Buffer Amplifiers for Tx**
- **Ultra-Small 28-Pin QFN Package**

The MAX2338 simplifies the architecture of dual-band cellular radio designs, resulting in substantial size and cost reduction.