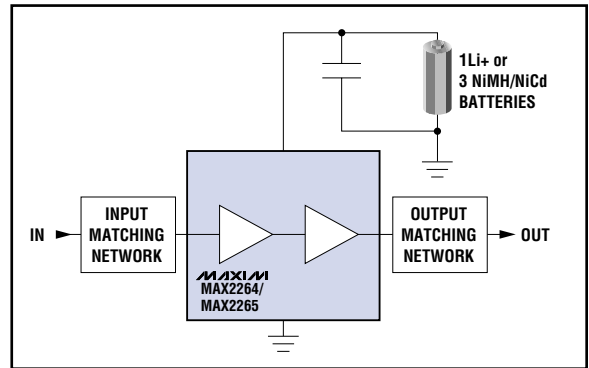
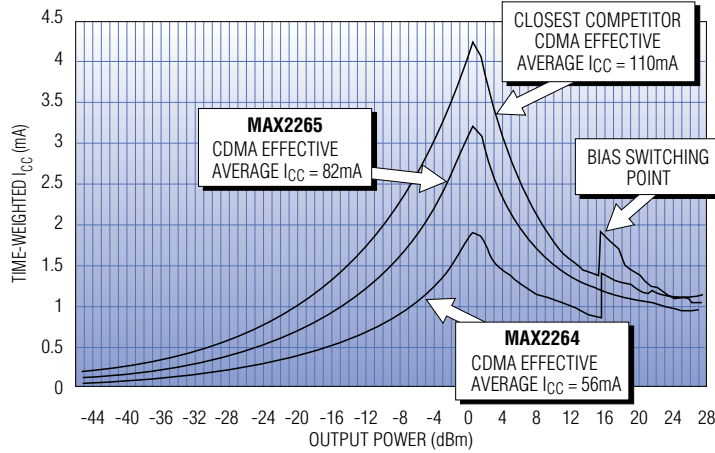


SINGLE-SUPPLY, DUAL-MODE LINEAR PAs REDUCE CDMA CURRENT DRAW 50%!

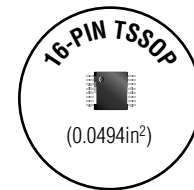
World's Best Efficiency at Medium- to Low-Power Output

The MAX2264/MAX2265 are true, single 2.7V to 5.0V supply power amplifiers designed for IS-98-based CDMA, PDC, and IS-136-based TDMA cellular phones operating in the 900MHz range. The MAX2264's 12% efficiency at +16dBm output is unprecedented in the industry and beats even the most sophisticated dynamic biasing scheme. Since CDMA PAs output less than +16dBm more than 90% of the time, this efficiency improves phone talk time dramatically. These devices require no drain switch, no externally applied negative or positive bias voltages, and the logic inputs—including the shutdown pin—can be driven directly from CMOS logic, making the devices very easy to use.

CDMA TIME-WEIGHTED CURRENT DRAW vs. OUTPUT POWER (URBAN SCENARIO)



The MAX2264/MAX2265 are optimized for highest efficiency at medium output power. This improves talk time in CDMA phones by up to 30%. Both devices are housed in a 16-pin TSSOP with exposed paddle. For module or DCA applications, the devices are also available in die form.



PART	CDMA AVERAGE I_{CC} (mA)	EFFICIENCY @ +28dBm (CDMA)	EFFICIENCY @ +16dBm (CDMA)	EFFICIENCY @ 29.5dBm (TDMA)
MAX2264	56	32%	12%	N/A
MAX2265	82	37%	7%	42%



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