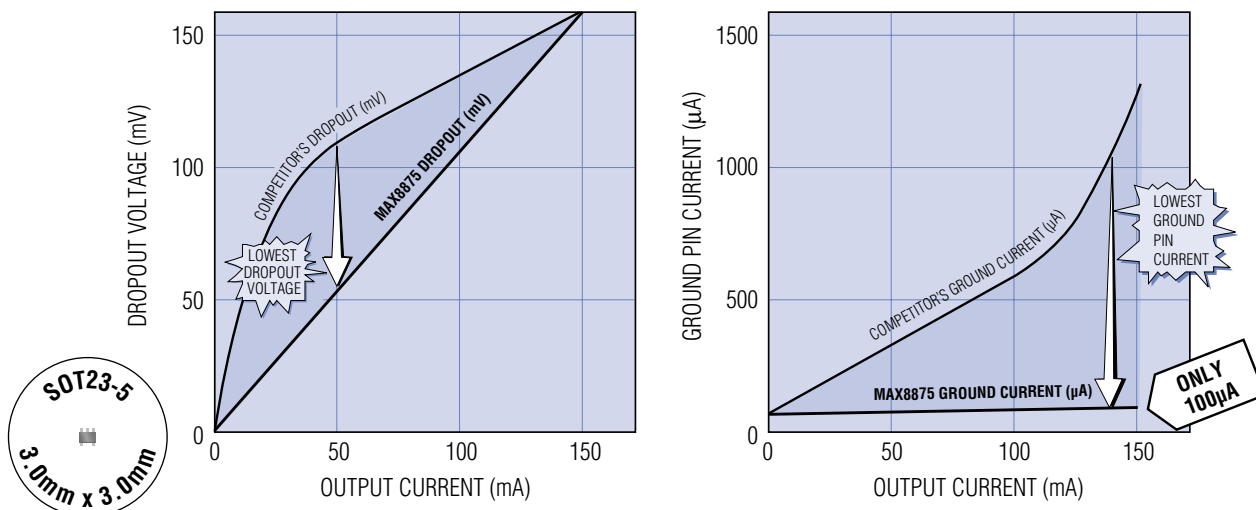


# 150mA SOT23 LDO WITH "POWER-OK" GIVES LONGEST BATTERY LIFE

The MAX8875 linear regulator provides the best combination of low dropout voltage and low full-load supply current (ground current) to extend battery life in cell phones, PCMCIA cards, modems, and other hand-held portable applications. The "Power-OK" (POK) output can be used as a power-up reset to signal the system microcontroller ( $\mu\text{C}$ ) that the regulator output is within 95% of its final voltage. POK can also power down the  $\mu\text{C}$  at the end of battery life and/or when the output voltage drops out of regulation by 5%. The MAX8875 comes in an ultra-small 5-pin SOT23 package.

## BEST COMBINATION OF LOW DROPOUT AND LOW GROUND CURRENT GIVES LONGEST BATTERY LIFE



### ◆ Longest Battery Life:

Lowest Dropout Voltage: 50mV vs. 110mV  
Lowest Ground Current: 100 $\mu\text{A}$  vs. up to 1.3mA

### ◆ "Power-OK" Output Flags 5% Out of Regulation

### ◆ 150mA Guaranteed Output Current

### ◆ Smallest Output Capacitor:

1 $\mu\text{F}$  Ceramic (Stable for 0 to 150mA Loads)

### ◆ 1% Fixed Output Voltages Available:

2.5V, 2.7V, 3.0V, 3.3V, and 5.0V



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