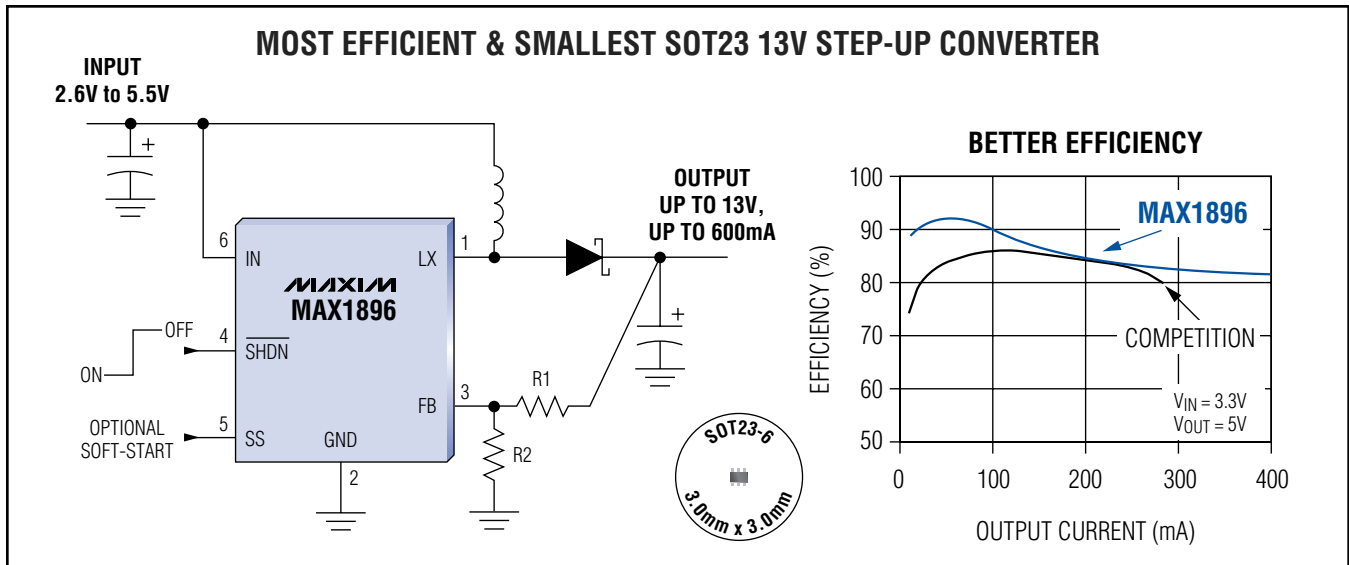


MOST EFFICIENT 1.4MHz SOT23 CURRENT-MODE STEP-UP DC-DC CONVERTER

0.7Ω On-Resistance and 200μA I_Q → Highest Efficiency

The MAX1896 uses current-mode control and 1.4MHz fixed-frequency pulse-width modulation (PWM) to provide over 90% efficiency, fast transient response, and operation with physically smaller components. It features 200μA quiescent supply current, low R_{ON} (on-resistance), 0.01μA logic-controlled shutdown current, and programmable soft-start. The MAX1896 is intended for PDAs, LCD panels, and hand-held equipment.



The MAX1896 is pin compatible with the LT1613 and has higher efficiency due to lower switch on-resistance and lower quiescent supply current.

- ◆ Pin Compatible with LT1613
- ◆ 1.4MHz PWM Switching Frequency
- ◆ >90% Efficiency
- ◆ Soft-Start (Not on Competition)
- ◆ 200μA Quiescent Supply Current (0.01μA in Shutdown)
- ◆ Low 0.7Ω Switch On-Resistance (vs. 1Ω for Competition)
- ◆ Adjustable Output Up to 13V
- ◆ Evaluation Kit Available to Speed Designs
- ◆ Priced at \$1.30[†], 2500-Piece Resale

[†]Price provided is for design guidance and is FOB USA. International prices will differ due to local duties, taxes, and exchange rates. Not all packages are offered in 1k increments, and some may require minimum order quantities.



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