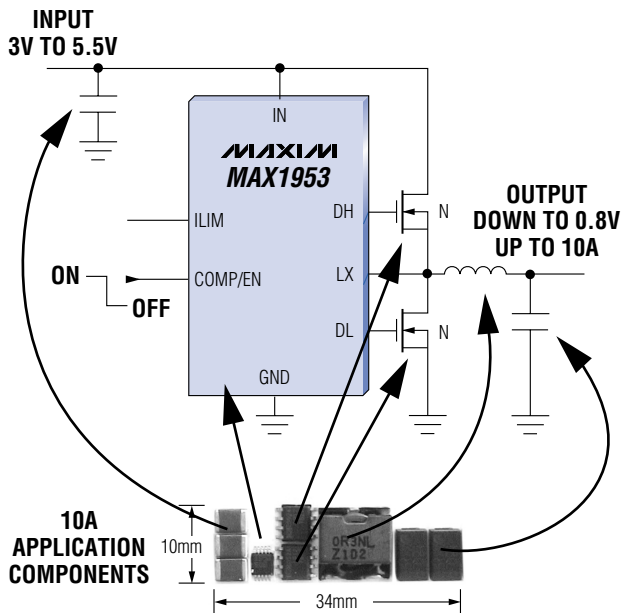


# SMALLEST 1MHz, 92%-EFFICIENT DC-DC STEP-DOWN DELIVERS UP TO 10A

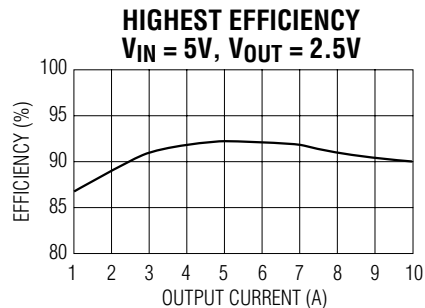
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The MAX1953 provides the smallest solution for high-efficiency (92%) and low-cost step-down conversion for a wide variety of applications including printers, graphic cards, RAID cards, telecom and network equipment, and base stations. Its 1MHz, current-mode, synchronous-rectified PWM control scheme allows for the smallest inductor and capacitors while providing excellent transient response. Dual external N-FETs, smallest external components, and current-limit/short-circuit protection without using a current-sense resistor provide the lowest cost design.

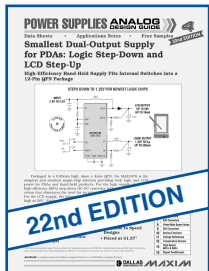
### SMALLEST STEP-DOWN SOLUTION FOR UP TO 10A APPLICATIONS



- ◆ 1MHz Operation—Smallest External Components
- ◆ Fastest Transient Response for Core Supplies
- ◆ Adjustable Current Limit
- ◆ Thermal-Overload Protection
- ◆ Lowest Cost N-FET Design
- ◆ Current-Limit and Short-Circuit Protection Without Current-Sense Resistor
- ◆ Smallest, All Ceramic Design
- ◆ Internal Digital Soft-Start
- ◆ \$0.99†
- ◆ Evaluation Kit Available



†1000-up recommended resale. Prices provided are for design guidance and are 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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