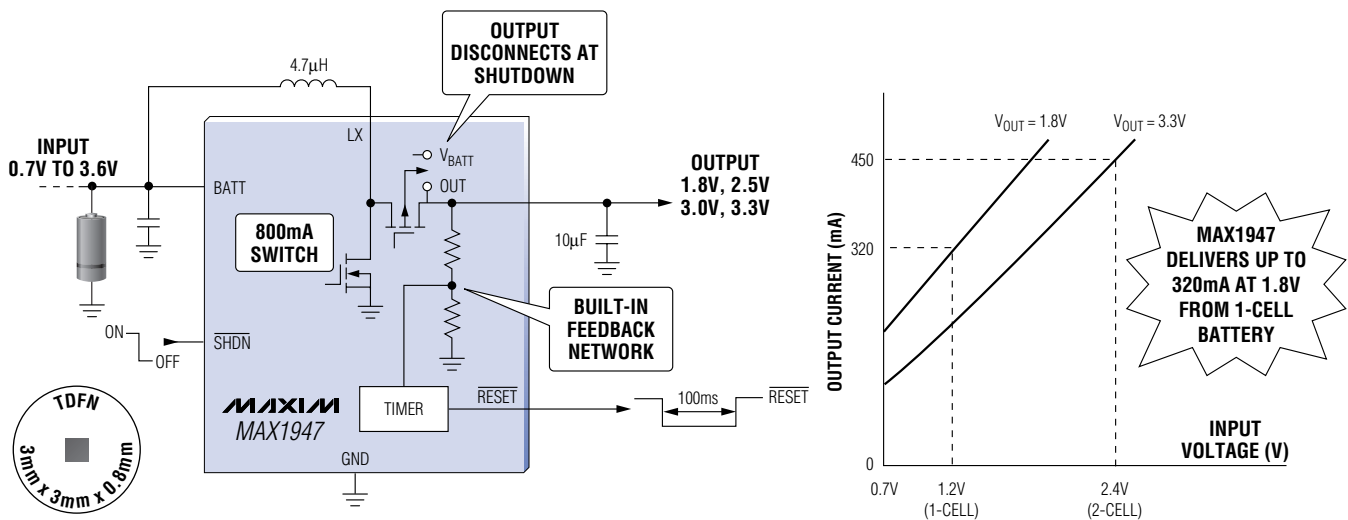


SMALLEST 1.8V OUTPUT, STEP-UP DC-DC FOR 1-CELL/2-CELL ALKALINE HAND-HELD

True Shutdown™ Minimizes Unwanted Current Drain from Battery

The MAX1947 is the smallest 1-cell/2-cell input, step-up DC-DC converter solution. Its 2MHz switching current-mode control reduces component sizes, achieves over 94% efficiency, and gives fast transient responses. It integrates all required switches (power switch, synchronous rectifier, and reverse current blocker) to fit into the most restricted handheld equipment. The True Shutdown allows the load to be discharged and disconnected from the battery during shutdown to maximize battery life. The MAX1947 is available in fixed output options that eliminate external feedback network to further reduce component count.



- ◆ Low 0.7V Input and 1.8V Output Voltage Capability
- ◆ 800mA, 0.15Ω Internal n-Ch Switch
- ◆ Built-In 100ms $\overline{\text{RESET}}$ Output
- ◆ Integrated Synchronous Rectifier
- ◆ High 94% Efficiency
- ◆ 1.8V, 2.5V, 3.0V, and 3.3V Fixed Output Voltages
- ◆ Tiny 4.7µH Inductor
- ◆ Automatic Pulse Skipping at Light Loads for Extended Battery Life
- ◆ Priced at \$1.55[†]
- ◆ 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. True Shutdown is a trademark of Maxim Integrated Products, Inc.



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