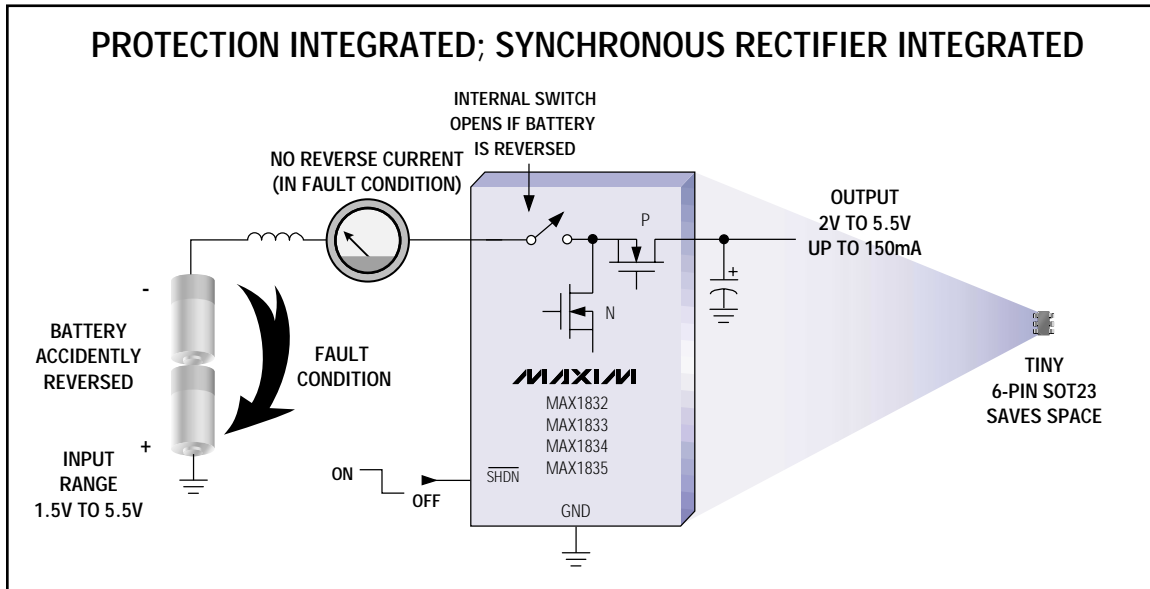


WORLD'S FIRST STEP-UP CONVERTERS WITH "REVERSE-BATTERY" PROTECTION

SOT23 Boost Converters Use Only 4µA and Integrate Protection to Save Cost

The MAX1832/3/4/5 are step-up converters with integrated reverse-battery protection that protects the battery, the boost converter, and the system if the battery polarity is reversed. They operate from an input voltage range of 1.5V to 5.5V and deliver up to 150mA of load current with up to 90% efficiency, while operating on only 4µA.



- ◆ Reverse Battery Protection
- ◆ 4µA Quiescent Current
- ◆ Internal FET Saves Cost and Space
- ◆ Internal Synchronous Rectifier Delivers Up to 90% Efficiency
- ◆ Input Voltage Range 1.5V to 5.5V
- ◆ Up to 150mA Load Current
- ◆ Tiny 6-pin SOT23 Package
- ◆ < 1µA Shutdown Current

PART NUMBER	IN SHUTDOWN	OUTPUT
MAX1832	Input Battery Used For Backup	Adjustable (2V to 5.5V)
MAX1833		Fixed 3.3V
MAX1834	$V_{OUT} = V_{BATT} - 0.7V$	Adjustable (2V to 5.5V)
MAX1835		Fixed 3.3V



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