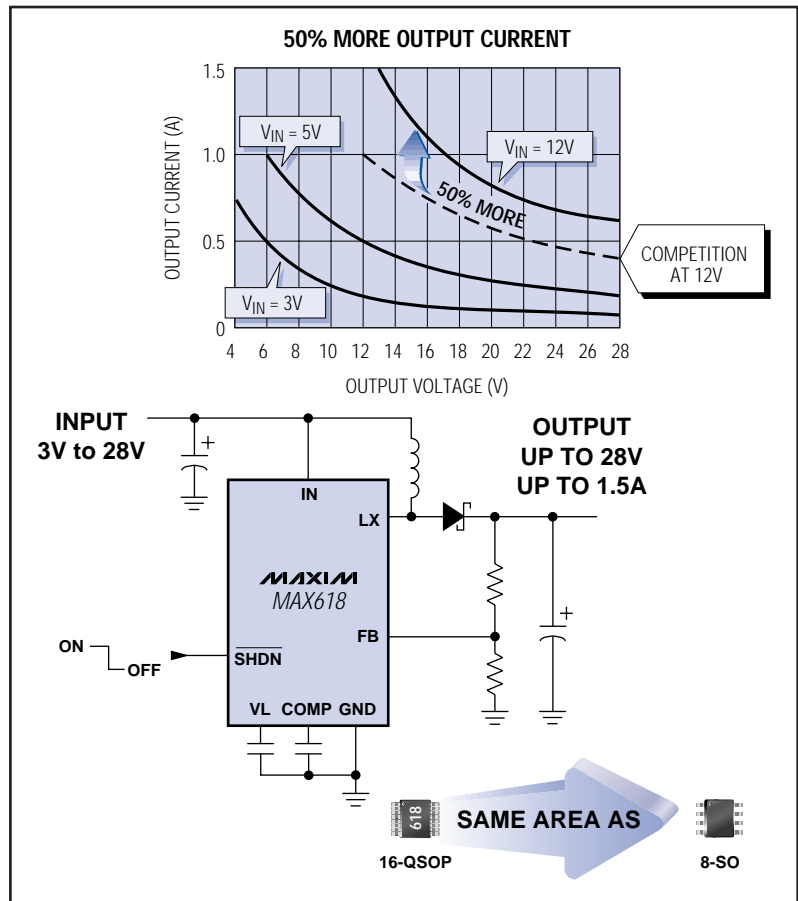


# HIGHEST POWER STEP-UP DC-DC DELIVERS 50% MORE CURRENT WITHOUT PACKAGE PENALTY

DC-DC with 28V, 2.2A Internal Switch Fits in Same Area as 8-Pin SO

The MAX618 CMOS, PWM, step-up DC-DC converter generates output voltages up to 28V and accepts inputs from 3V to 28V. Compared to the closest competitor in the same size package, the MAX618 provides 50% more output current and allows 2x higher power dissipation. Typical applications include: LCD displays, telecom, networking, and industrial +24V and +28V systems. The MAX618 can also be configured as a high-power step-up/down SEPIC converter for automotive systems.

- ◆ 28V, 2.2A Internal Switch Provides 50% More Current
- ◆ 1W Power Package is Same Size as 8-SO
- ◆ Up to 28V Output Voltage
- ◆ 3V to 28V Input Voltage Range
- ◆ Up to 93% Efficiency
- ◆ Low Quiescent Supply Current: 500µA
- ◆ Telecom, Networking, and Industrial Applications
- ◆ 250kHz Fixed-Frequency PWM Operation
- ◆ Evaluation Kit Speeds Designs



The MAX618's 2.2A internal switch current limit delivers 50% more output current than similar-sized competitive 1.5A devices. The high 93% efficiency and 1W thermally enhanced package (vs. 471mW standard) allows higher currents at higher voltages without overheating the die.



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