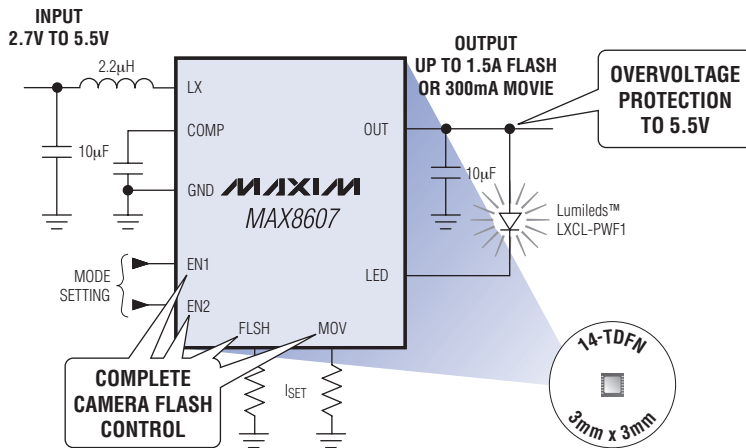


HIGHEST CURRENT, WHITE-LED, STEP-UP DC-DC FOR THE BRIGHTEST CAMERA FLASH

Delivers 1.5A Regulated Current with Up to 84% Efficiency

The MAX8607 is the highest current step-up DC-DC converter for driving high-power white LEDs for camera flashes. This device enables the highest level of light output for taking high-resolution pictures in low-level ambient light or at greater distances. Synchronous rectification provides up to 84% efficiency. Fixed 1MHz PWM switching makes the MAX8607 a tiny solution for camera phones or other portable applications. Overvoltage fault protection limits the output voltage to 5.5V, and thermal derating reduces the output current for LED protection. Dedicated mode-select pins set on/off control and flash/movie currents to minimize external components.

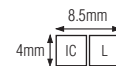
1.5A White-LED Supply in 3mm x 3mm TDFN



MAX8607 SOLUTION
16.5mm²



COMPETITOR'S SOLUTION
34mm²



- ◆ 1.5A Output
- ◆ 84% Efficiency to Maximize Battery Life
- ◆ Temperature Derating Characteristic Protects LEDs
- ◆ Overvoltage Protection in the Event of LED Disconnect
- ◆ Fixed 1MHz PWM Switching
- ◆ Independently Programmable Flash and Movie Output Currents
- ◆ Requires Only Minimal (and Small) External Components
- ◆ Evaluation Kit Available
- ◆ Priced at \$1.90[†]

FOR MORE WHITE-LED DRIVER INFORMATION, GO TO:
www.maxim-ic.com/whiteLED

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[†]\$2500-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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