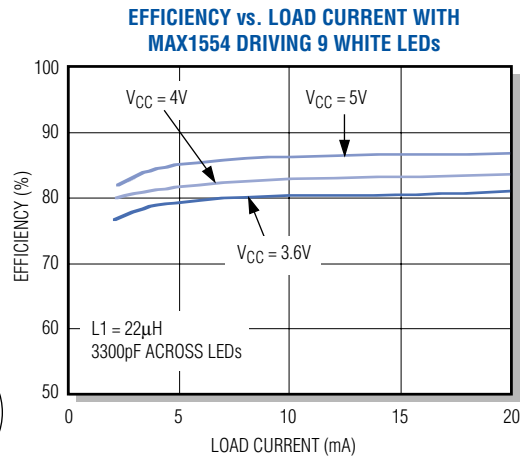
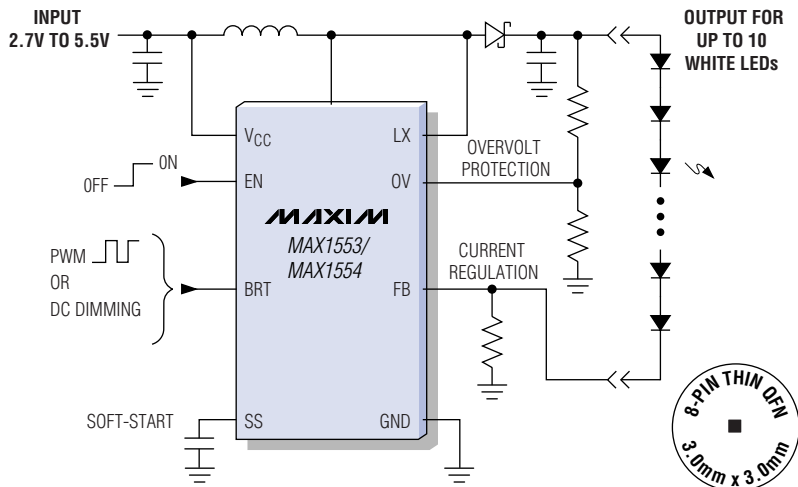


# HIGHEST EFFICIENCY, 40V INTERNAL SWITCH STEP-UP DC-DC FOR 2 TO 10 WHITE LEDs

## Smallest Solution for 10 White LEDs in Handheld Devices

The MAX1553/MAX1554 are the smallest, highest-efficiency step-up DC-DC converters for driving 2 to 10 white LEDs in series. Current regulation provides efficient display backlighting for PDAs, cell phones, and other handheld devices. The MAX1553 has a current limit of 480mA for driving 2 to 6 white LEDs with 88% efficiency at 20mA from a 3.6V input voltage. The MAX1554 has a current limit of 970mA for driving up to 10 white LEDs with up to 82% efficiency. Both converters have an adjustable output overvoltage protection circuit.



- ◆ Constant Current Regulation for Even LED Illumination
- ◆ Small, Low-Profile External Components
- ◆ Analog or PWM Control of LED Intensity
- ◆ Priced at \$1.35<sup>†</sup>



<sup>†</sup>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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