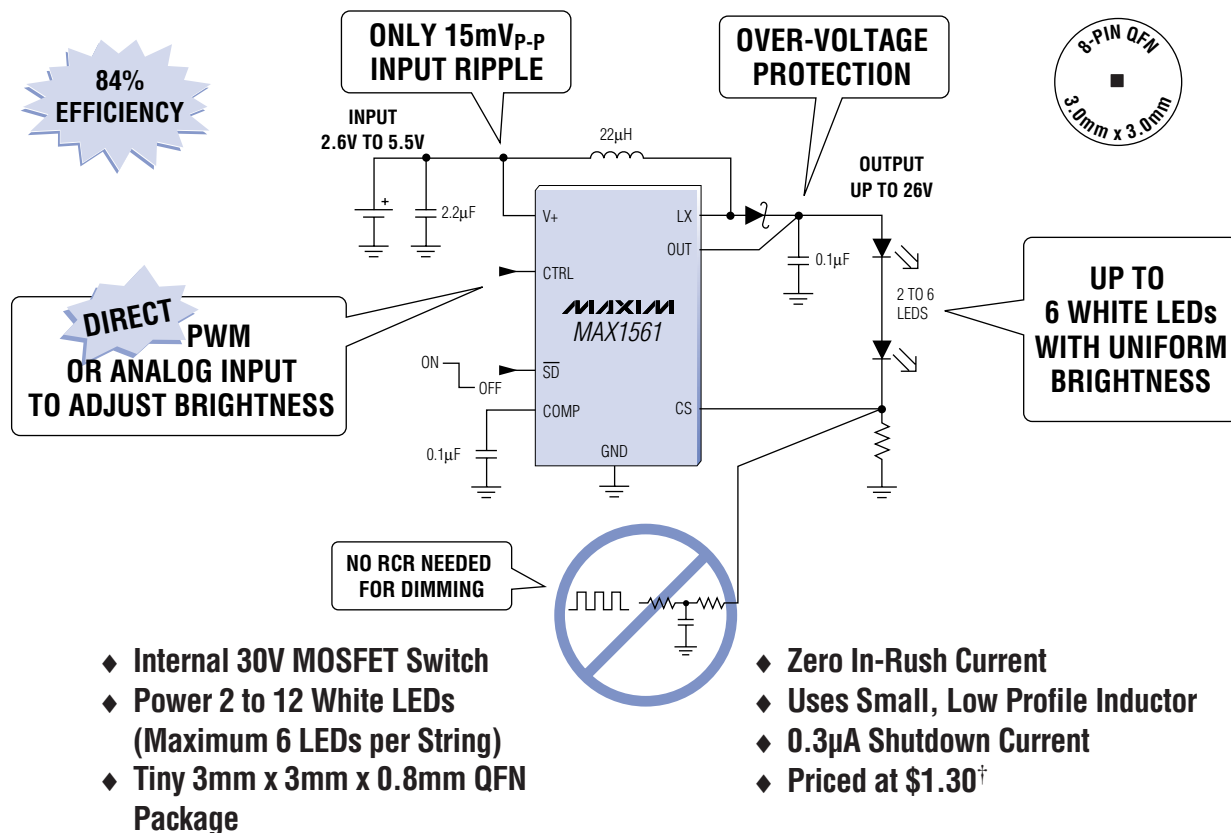


HIGH-EFFICIENCY, 26V CURRENT SOURCE POWERS UP TO 6 WHITE LEDs WITH UNIFORM BRIGHTNESS

1MHz Switching, Low-Profile Inductor and Capacitor, 84% Efficiency

The MAX1561 is the highest-power step-up DC-DC converter that regulates current to drive white LEDs for backlights in PDAs and cellphones. It allows 2 to 6 LEDs in a string, or up to 12 LEDs in multiple strings. An internal 30V MOSFET switch provides 84% efficiency, which is 36 percentage points higher than traditional doubling charge-pump solutions. With a constant 1MHz PWM switching frequency, the MAX1561 allows use of a small inductor and a tiny 0.1µF output capacitor, while exhibiting only 15mV_{P-P} input ripple.



†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.



www.maxim-ic.com

FREE Power Supplies Design Guide—Sent Within 24 Hours!

CALL TOLL-FREE 1-800-998-8800 (6:00 a.m.—6:00 p.m. PT)

For a Design Guide or Free Sample



Distributed by Maxim/Dallas Direct!, Arrow, Avnet Electronics Marketing, Digi-Key, and Newark.
 MAXIM is a registered trademark of Maxim Integrated Products, Inc. © 2003 Maxim Integrated Products.