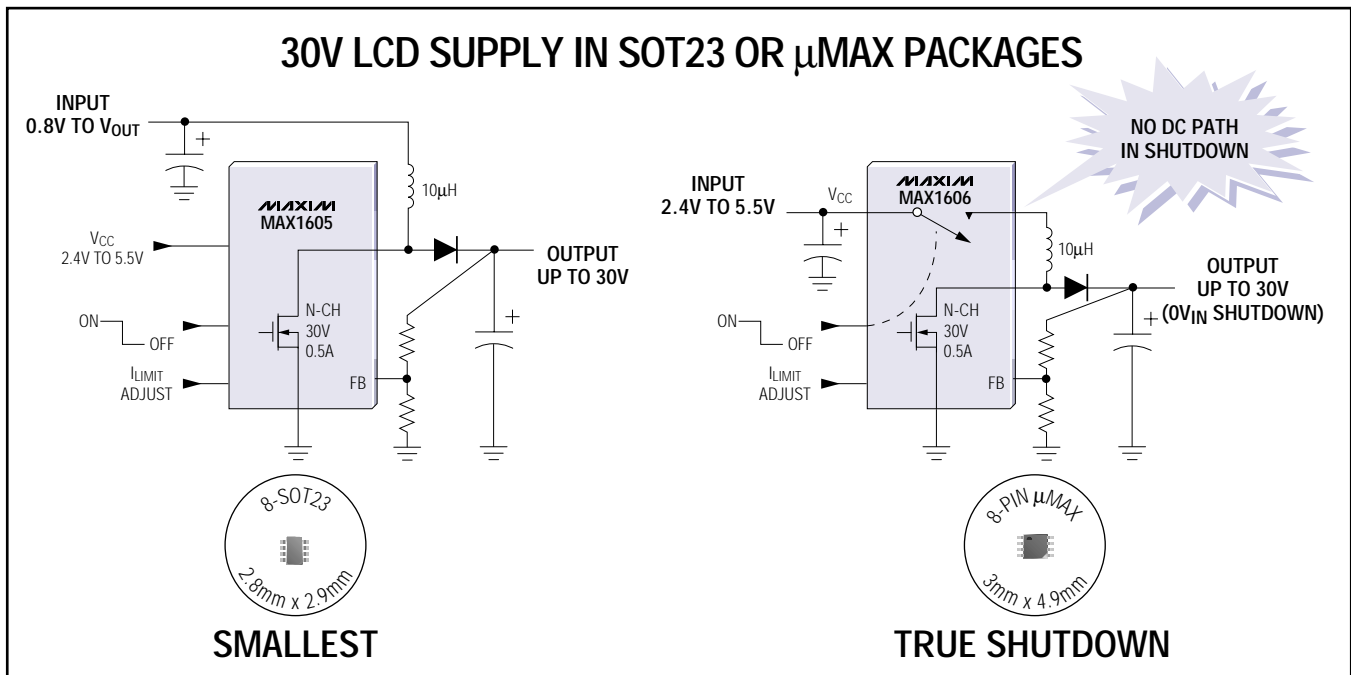


# SMALLEST 30V LCD SUPPLY HAS INTERNAL SWITCH IN SOT23

## Disconnects DC Path from Battery for 0V Output in Shutdown

The MAX1605 and MAX1606 step-up DC-DC converters use an internal 30V switch to provide a compact LCD bias supply. The MAX1605 is the smallest device of its kind, fitting a 500mA MOSFET switch into an 8-pin SOT23 package. It operates at up to 500kHz and has adjustable current limit, reducing external component size. The MAX1606 fits in an 8-pin  $\mu$ MAX package and features True Shutdown™.



Save space and reduce battery drain with the MAX1605 and MAX1606. The MAX1605 is the smallest solution, fitting a 30V switch into an 8-pin SOT23. The slightly larger MAX1606 also includes the True Shutdown feature, cutting the DC path from battery to load while in shutdown.

- ◆ 30V, 0.5A Internal N-Channel MOSFET
- ◆ 8-pin SOT23 Package (MAX1605)
- ◆ 500kHz Switching Frequency Reduces Component Sizes
- ◆ Adjustable Current Limit Reduces Inductor Size
- ◆ Up to 88% Efficiency
- ◆ No Battery Drain in Shutdown (MAX1606)
- ◆ EV Kits Available to Speed Design

True Shutdown is a trademark of Maxim Integrated Products.



**FREE Power Supplies Design Guide—Sent Within 24 Hours!**  
Includes: Reply Cards for Free Samples and Data Sheets

CALL TOLL-FREE 1-800-998-8800 for a Design Guide or Free Sample  
6:00 a.m. – 6:00 p.m. Pacific Time

**MAXIM**  
[www.maxim-ic.com](http://www.maxim-ic.com)

2000 EDITION!  
FREE FULL-LINE DATA CATALOG  
ON CD-ROM



**NEW!** Get Price, Delivery, and Place Orders  
Online at [www.maxim-ic.com](http://www.maxim-ic.com)

Maxim Integrated Products, 120 San Gabriel Drive, Sunnyvale, CA 94086, (408) 737-7600, FAX (408) 737-7194.

Distributed by Maxim Distribution, Arrow, Avnet Electronics Marketing, CAM RPC, Digi-Key, Elmo, Nu Horizons, and Zeus.  
Distributed in Canada by Arrow and Avnet Electronics Marketing.

MAXIM is a registered trademark of Maxim Integrated Products. © 2001 Maxim Integrated Products.