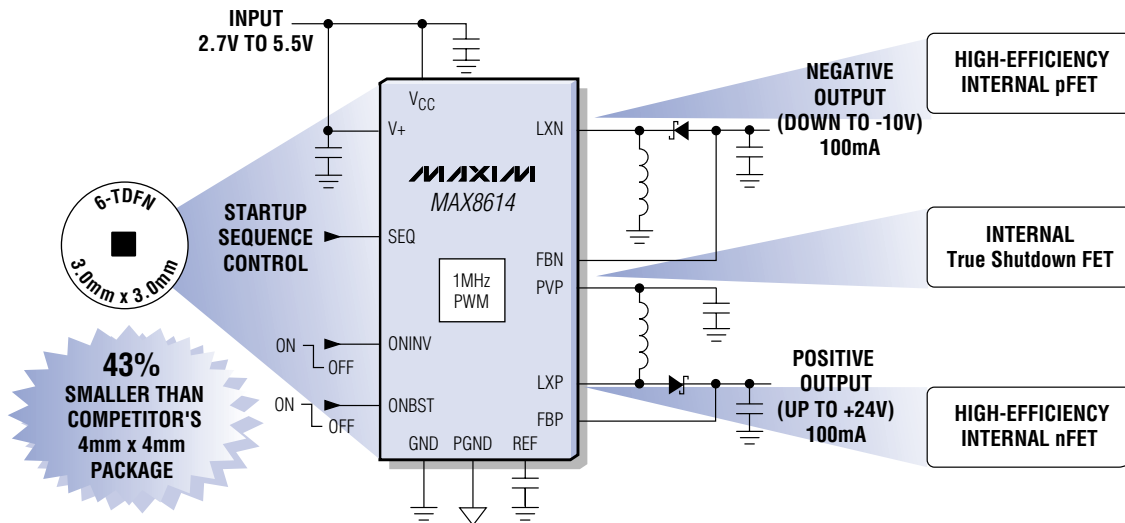


SMALLEST DUAL-OUTPUT (+ AND -) DC-DC CONVERTER FOR CCD AND OLED

1MHz PWM Reduces Component Size; Internal Switches Save Space

The MAX8614 dual-output, step-up DC-DC converter generates outputs up to +24V and down to -10V with 100mA output current. The output is adjustable with external resistors for CCD and OLED supplies. With 1MHz operation, integrated high voltage, and a True Shutdown™ FET in a 3mm x 3mm TDFN package, the MAX8614 saves board space and cost. The MAX8614 is priced at \$2.00†.

INTERNAL SWITCHES GENERATE DUAL OUTPUTS UP TO +24V AND DOWN TO -10V



Specification	Competition	MAX8614
Package size	4mm x 4mm QFN	3mm x 3mm TDFN
Output capacitor	22µF each output	4.7µF each output
Compensation	External capacitors	Internal
Soft-start inrush current controlled with True Shutdown	Not controlled	None; controlled
True Shutdown	External FET	Internal FET
Negative-Output Load Transient Window	> 400mV	≤ 120mV
Power Sequencing	Not available	Available

True Shutdown is a trademark of Maxim Integrated Products, Inc.

†1000-up recommended resale B-grade, FOB USA. Price provided is for design guidance and is 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 (7:00 a.m.–5:00 p.m. PT)

For a Design Guide or Free Sample



Distributed by Maxim/Dallas Direct!, Arrow, Avnet Electronics Marketing, Digi-Key, and Newark.

The Maxim logo is a registered trademark of Maxim Integrated Products, Inc. The Dallas Semiconductor logo is a registered trademark of Dallas Semiconductor Corp.

© 2006 Maxim Integrated Products, Inc. All rights reserved.