

**Also**

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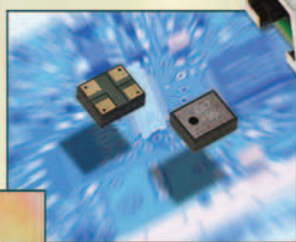
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## The Top Products of the Year



## **Boost Converters for White LED Backlighting of Color LCD Displays**

ON Semiconductor has introduced its NCP5007 and NCP5006 fully integrated white LED boost converters that drive up to five white LEDs in series to simplify and miniaturize color LCD display illumination used in digital cameras, cell phones and PDAs. The devices operate as a DC/DC boost converter that regulates the current through the LED string. In addition to being offered in a compact, low-profile SOT23-5 package, the NCP5007 and NCP5006 incorporate built-in over-voltage protection that eliminates the need for an external zener diode. With an input voltage range of 2.7V to 5.5V, the devices are appropriate for battery power applications that use 1-cell Li-Ion battery or 3/4-cell NiMH batteries. In addition, the NCP5006 is available in an industry standard pinout to implement into existing platforms. The NCP5007 and NCP5006 are priced at \$0.50 per unit in 10K-unit quantities.



**ON Semiconductor**

**For more information enter InfoLINK  
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