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[kennethv@supertex.com](mailto:kennethv@supertex.com)**NEW THREE CHANNEL LED DRIVER IC FROM SUPERTEX PROVIDES  
HIGH CURRENT ACCURACY***HV9982 Features Closed-Loop Control of Output Current*

**SUNNYVALE, Calif., September 25, 2007** – Supertex (NASDAQ: SUPX), a recognized leader in high voltage analog and mixed signal integrated circuits (ICs), today introduced the HV9982, a new three channel LED driver IC designed to provide high LED current accuracy through closed-loop control of the output currents. It is specially designed for applications using RGB LED backlighting or multiple strings of white LEDs.

The HV9982 employs a fixed frequency, closed-loop, current mode control architecture that ensures stable operation over a wide range of input and output voltages. Its high-side current sensing allows it to be used in buck, boost or SEPIC configurations while delivering  $\pm 1\%$  current accuracy between strings. The HV9982 features an internal 40V linear regulator providing an 8V power supply to the IC. The IC utilizes an internal control with an external clock source to facilitate synchronization.

Each channel of the HV9982 can drive a LED string of up to 200V, with efficiency greater than 90%. The output current range of each channel is user-programmable with an external sense resistor and can be individually dimmed using either linear or PWM dimming. Three built-in disconnect FET drivers enable high PWM dimming ratios. Programmable slope compensation allows for synchronization and greater than a 50% duty cycle in fixed frequency operation. The IC also includes hiccup mode protection for both open LED and short circuit conditions.

“Because of its closed-loop architecture, the HV9982 delivers exceptionally accurate line and load regulation for multiple LED strings,” states Ahmed Masood, Vice President of Marketing for Supertex. “With the ability to be configured in buck, boost, or

SEPIC topologies, and advanced features such as OVP, short circuit protection, and accurate PWM control, this device sets a new benchmark for LED driving applications.”

The HV9982 is available in a 40-lead QFN package (HV9982K6-G). The part is Green and RoHS compliant. Samples are available from stock. Lead-time for production quantities is 4-6 weeks ARO. Pricing is US\$3.03 each for the HV9982K6-G in 1K quantities.

### **About Supertex**

Supertex, Inc. is a publicly held mixed signal semiconductor manufacturer, focused in high performance analog and high voltage interface products for use in the medical, flat panel displays, automotive, industrial electronics and telecommunications industries. Supertex product, corporate and financial information is readily available at [www.supertex.com](http://www.supertex.com).

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