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NEW THREE-CHANNEL, CONSTANT CURRENT, LED DRIVER IC FAMILY FROM SUPERTEX OFFERS SIMPLE DESIGN SOLUTIONS

CL3xx Family Delivers High Voltage, Constant Currents to Three LED Strings & Eases PCB Designs with a Simple 8-lead SOIC (with heat slug) Package and One External Component.

SUNNYVALE, Calif., October 30, 2007 – Supertex Inc. (NasdaqGS: SUPX), a recognized leader in high voltage analog and mixed signal integrated circuits (ICs), today introduced a family of three LED driver ICs, the CL320, CL325, and CL330, each consisting of three channels of constant current output, designed to drive three LED strings at currents of 20mA, 25mA, and 30mA each, respectively.

Each part comes in an 8-lead SOIC (with heat slug) package. The only external component required is a single ceramic bypass capacitor, making the PCB designs extremely simple, and the same capacitor may be shared with several drivers. Separate Enable pins for each channel allow pulse width modulated (PWM) dimming, three-step linear dimming, or individual disconnection of any faulty LED string. Over-temperature protection circuitry shuts down all channels when the die temperature reaches 135 degrees C. Normal operation resumes when die temperature drops by 30 degrees C. The parts feature a 90V standoff voltage and a fixed drive current with a $\pm 6\%$ tolerance over a V_{OUT} range of 4–15V.

They are specifically designed for applications in low cost LED backlighting LCD panels, indicator lamps, decorative lights as well as general lighting.

“With the introduction of the CL3xx product family, Supertex further expands its line of high voltage and high performance LED drivers and strengthens its market position as a leading provider of high voltage LED driving solutions,” states Ahmed Masood, Vice President of Marketing for Supertex. “The CL3xx product family features temperature compensation for consistently accurate drive current and independent

Enable pins for each of the three channels to allow for design flexibility, ease of dimming control and disabling of any faulty LED string.”

All products in the CL3xx family are available in 8-lead SOIC (with heat slug) packages (CL320SG-G, CL325SG-G, CL330SG-G). The parts are Green and RoHS compliant. Samples are available from stock. Lead-time for production quantities is 4-6 weeks ARO. Pricing is US\$0.90 each for the CL320SG-G, US\$0.91 each for the CL325SG-G, and US\$0.92 each for the CL330SG-G, all in 1K quantities.

About Supertex

Supertex, Inc. is a publicly held mixed signal semiconductor manufacturer, focused on high voltage analog and mixed signal products for use in the medical, imaging, automotive, industrial electronics, telecommunication and networking systems industries. Supertex product, corporate and financial information is readily available at www.supertex.com.

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