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SUPERTEX INTRODUCES COST-EFFECTIVE, FOUR-CHANNEL MEDICAL ULTRASOUND DAMPER FOR FAST RETURN-TO-ZERO APPLICATIONS

HV7370 Features +/-850mA Source and Sink Current & 20MHz Operating Frequency

SUNNYVALE, Calif., May 27, 2008– Supertex (NasdaqGS: SUPX), a recognized leader in high voltage analog and mixed signal integrated circuits (ICs) for medical ultrasound applications, today introduced the HV7370, a new, fully integrated, high voltage, high speed, four channel ultrasound damper IC. It is designed to work in conjunction with high voltage pulsers such as Supertex HV738, HV748, or HV758 in medical ultrasound transmitter applications that require fast return-to-zero (RTZ) times. It can also be used for damping other piezoelectric or capacitive transducers via coaxial cables.

The HV7370 integrates four controller logic interface circuits, four level translators, four MOSFET gate drivers and four pairs of high current N- and P-channel MOSFETS that serve as the four push-pull output stages. These output stages provide peak currents of over +/-0.85A for damping to ground, with up to a +/-100V swing. Both this current capability and its 20MHz operating frequency allow it to be used with most ultrasound pulsers.

“The introduction of the HV7370 further expands Supertex’s offerings for the latest generation of medical ultrasound devices,” states Ahmed Masood, Vice President of Marketing for Supertex. “This four-channel IC provides a cost-effective solution and superior damping capability in applications where a fast return-to-zero time is required, and offers significant power and board area savings as compared with the current discrete solutions.”

The HV7370 is available in a 32-lead QFN package (HV7370K6-G). The part is Green and RoHS compliant. Samples are available from stock. Lead-time for

production quantities is 8-10 weeks ARO. Pricing is US\$ 5.60 each for the HV7370K6-G in 1K quantities.

About Supertex

Supertex, Inc. is a publicly held mixed signal semiconductor manufacturer, focused in high voltage interface products for use in the telecommunications, networking systems, flat panel displays, medical and industrial electronics industries. Supertex product, corporate and financial information is readily available at www.supertex.com.

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