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Corporate Headquarters:

Jim Adams
Manager, Marketing Communications
408/222-4810
jima@supertex.com

INDUCTORLESS, OFF-LINE REGULATOR COMBO SOLUTION IMPROVES EFFICIENCY

***New, Small GN2470 IGBT Enhances Performance of
SR03x Universal, Switching Regulators in Power Supply Applications***

SUNNYVALE, Calif., April 27, 2004 – Supertex, Inc. (NASDAQ: SUPX) today introduced GN2470, an insulated gate bipolar transistor (IGBT) to be used as a combination solution with the Supertex SR03x Series of inductorless, dual output off-line switching regulator ICs where it increases the overall output power in non-isolated power supply applications, while providing a much more energy efficient solution than linear regulators.

Unlike a MOSFET, conduction losses of the IGBT at higher load current are less, thus enhancing the performance of the SR03x power supply solution. Typically 30% more efficient using GN2470 as the power switch versus a similar size MOSFET.

“Since the introduction of SR03x products, there have been many applications where higher output power is needed” states Brian Hedayati, Director of Marketing at Supertex. “The combination of GN2470 and SR03x series will fulfill this requirement. Power supply designers can now maintain low costs while gaining higher output power.”

For applications that require limited space, the GN2470 will be most useful due to its smaller required heat-sink area. The GN2470 3.5A current rating provides higher output power resulting in broader applications using the SR03x series. Its 700V breakdown voltage rating provides more immunity to transients and eases the selection of a lower cost transient voltage suppressor (TVS) for universal off-line power supplies. These features make GN2470 and SR03x an ideal choice in sub 1.5 watt applications for white goods, small appliances, lighting controls, or applications needing 5 or 3.3V regulated supply to power the microprocessor and a 12V supply to power relays or LEDs.

SR036 and/or SR037 require no transformers or inductors, thus eliminating bulky and expensive magnetics and high voltage capacitors, saving money while reducing space.

The GN2470 is available in a 3-pin D-Pak package. Samples are available from stock. Lead-time for production quantities is 6 weeks ARO. Pricing is US\$0.66 each 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 telecommunication, networking system, flat panel display, medical and industrial electronic industries. Supertex product, corporate and financial information is readily available at www.supertex.com.