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LED design kit features lighting assemblies and components on Anotherm[®] substrates...

OPTEK AND IRC DEVELOP LED DESIGN KIT FOR SOLID STATE LIGHTING DESIGNERS

CARROLLTON, TX and CORPUS CHRISTI, TX (March 19, 2007) – Providing lighting design engineers with the necessary resources to develop products for solid-state lighting applications, TT electronics OPTEK Technology and IRC Advanced Film Division have developed an LED design kit. Combining IRC's Anotherm[®] technology, a thermally conductive aluminum alloy substrate, and OPTEK's comprehensive experience designing and developing infrared and high brightness visible LEDs, the design kit consists of lighting modules, assemblies, components and accessories.

“Working closely with OPTEK, we have been able to address our customers’ challenges with heat dissipation in direct-mounted LEDs and LED arrays,” said Steve Wade, vice president of sales and marketing for IRC Advanced Film Division. “Our Anotherm technology enables design engineers to mount visible LEDs and other components directly to the aluminum substrate, reducing or even eliminating the need for attached heatsinks, mounting hardware and the associated assembly costs.”

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“For a number of years we have been developing visible and infrared LED solutions in a variety of package configurations,” said Alan Bennett, vice president of sales and marketing for OPTEK Technology. “Our LED application engineers have extensive experience in helping customers optimize their solid-state lighting designs, especially in thermal management and packaging.”

The assemblies in the LED design kit include:

- OPA729: Linear Visible Assembly on Anotherm[®] with ten (10) 1-Watt LEDs;
- OPA730: Round Visible Flood on Anotherm with twelve (12) 1-Watt LEDs;
- OPA731: Square Visible Flood on Anotherm with twenty (20) 1-Watt LEDs;
- OPA733: Round Spot 1-Watt LEDs on Anotherm;
- OPA739: Square Visible Assembly on Anotherm with three (3) 1-Watt LEDs;
- OPA740: Linear Visible Assembly on Anotherm with twelve (12) 23° lensed 1-Watt LEDs;
- OPA741: Ring Visible Assembly on Anotherm with twelve (12) 23° lensed 1-Watt LEDs;
- OPA742: Round Spot with 1-Watt LED on Anotherm.

Each kit also contains three LED drivers to power the VLED assemblies.

The assemblies in the LED design kit feature OPTEK’s OVSPxBCR4 Series 1-watt LEDs. The energy-efficient packaged LEDs offer high luminance and a long operating lifespan. Available with yellow, blue, green, red and white LEDs, the 1W LEDs offer a full 120° viewing angle and an ultra-low board-mounted profile.

Pricing for the LED design kit is \$650 per kit. The Anotherm modules, substrates, LED components, and accessories can also be purchased separately.

The LED design kit will be displayed at Lightfair from May 8-10 at booth number 2468.

For more information on the LED design kit, contact TT electronics’ OPTEK Technology at 1645 Wallace Dr., Carrollton, TX, 75006; call 972-323-2200, or visit OPTEK on the Web at <http://www.optekinc.com/products/vled.asp>. In Europe, contact JP Delaporte at info@optek-europe.com or call +1-972-323-2333. In Asia, contact T.H. Swee at thswee@optekasia.com or call +852-9190-4641.

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TT electronics IRC Advanced Film Division Sales & Marketing Department can be reached at 361-992-7900; via mail at 4222 S. Staples St., Corpus Christi, TX 78411; via e-mail at afdsales@irctt.com, or on the Web at www.irctt.com/anotherm.

OPTEK Technology is a leading manufacturer of standard and application-specific sensors using infrared, visible, magnetic and fiber optic technologies focused on applications in office machines, industrial equipment, encoders, automotive electronics, military and high-reliability applications, and medical diagnostic equipment. Headquartered in Carrollton, TX, the company is ISO/TS16949:2002 and BS EN ISO 9001:2000 certified, as well as ITAR registered. OPTEK Technology was acquired by TT electronics in December 2003.

IRC Inc. is a leading international manufacturer of advanced film, metal glaze and wirewound resistive products with facilities in Corpus Christi, Texas, Boone, N.C., Smithfield, N.C., and Barbados.

TT electronics plc is a global electronics company manufacturing a broad range of advanced electronic components, assemblies and sensor modules for the automotive, industrial, telecommunication, computer and aerospace markets.

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To request the electronic image, call 919-872-8172, or e-mail: bgaddy@btbmarketing.com

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URLs: <http://www.irctt.com/anotherm>; <http://www.optekinc.com/products/vled.asp>