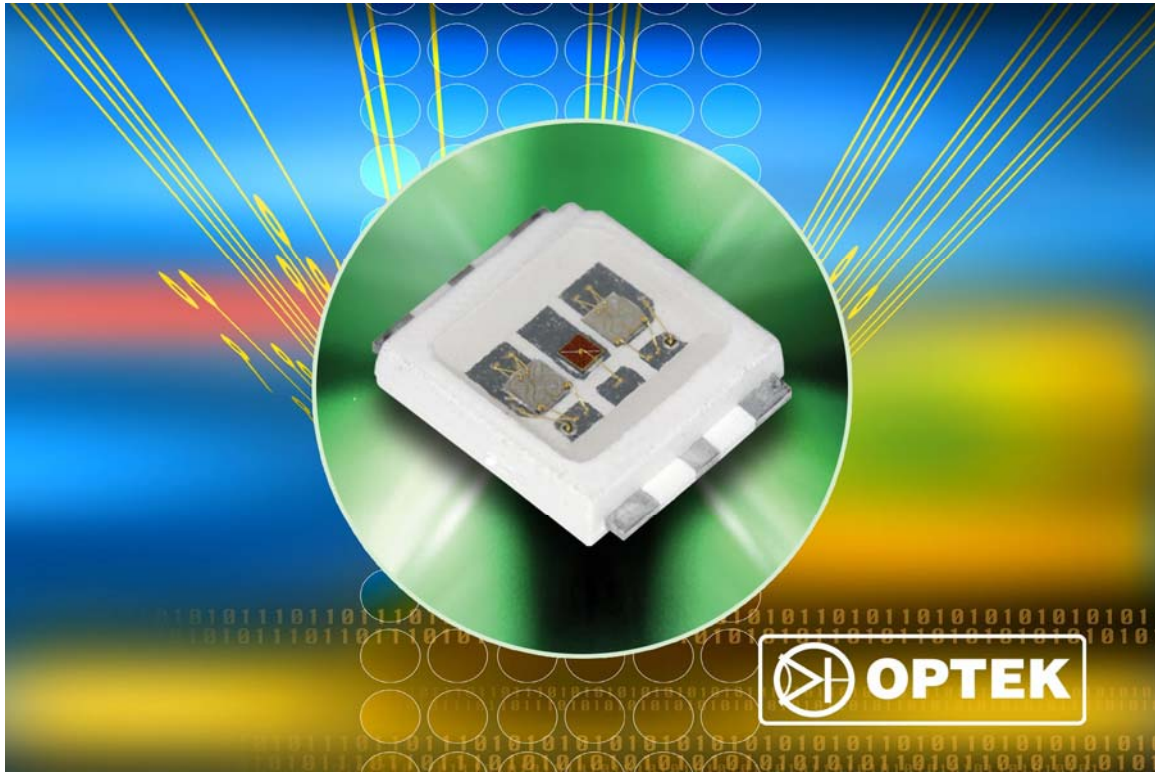


Ultra-low profile ideal for conventional, specialty lighting applications...

OPTEK DEVELOPS FULL-COLOR LED PACKAGE WITH 130° VIEWING ANGLE



NEW YORK, NY (May 8, 2007) – Providing lighting design engineers with a low-profile device with a wide viewing angle, TT electronics OPTEK Technology has developed a full-color surface mount LED package. Offering high luminance and a long operating lifespan, the OVSPRGBCR4 device was designed specifically for high current drive. Each color can be independently controlled for high output from each individual chip, as well as programmed for color mixing to achieve all the colors of the rainbow plus white.

According to Richard Saffa, vice president of OPTEK Technology’s Visible LED Business Unit, the specifications of the device make it suitable for specialized applications. “The OVSPRGBCR4 LED package was designed with a high flux output, low thermal resistance, and ultra low profile,” said Saffa. “The energy-efficient design, along with the RGB color-capabilities, high CRI rating, and full 130° viewing angle, make it ideal for a variety of lighting

applications, including entertainment lighting; “mood” lighting in automotive, airplane, and elevator cabins; retail product illumination; architectural accents; and conventional lighting.”

Additional applications for the RGB LED package include automotive interior and exterior lighting, architectural indoor and outdoor lighting, LED backlighting, and general illumination.

The RGB LED package is composed of a red, green and blue LED with water clear lenses mounted on the top of the device. Typical luminous flux for the red, green and blue LEDs is 21lm, 32lm, and 7.5lm, with a typical on-axis intensity of 7cd, 11cd, and 2.8cd, respectively. DC forward current is 250mA per color, with peak pulsed forward current of 500mA, and a thermal resistance of 20K/W. Maximum rated junction temperature is 125°C and the operating temperature range is -40°C to +100°C. OPTEK also offers optional optics to suit specific applications.

The OVSPRGBCR4 LED package measures 6mm x 6mm, with a height of 1.5mm.