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New Blue and White Flat and Domed Lens Surface Mount LEDs Using GaN Technology

Sunnyvale, Calif., February 11, 2000 - AND Optoelectronics today announced the introduction of a new family of flat and domed lens, surface mount LEDs designed for ultra-bright light emission. The new AND4 flat lens series consist of two different colors of miniature LEDs, their size is 2mm (L) x 1.25mm (W) x 1.1mm (H). The AND5 domed series are slightly larger, 3.2mm (L) x 2.4mm (W) x 2.6mm and consist of the ultra-bright blue color. Both the AND4 and AND5 series LEDs have a broad range of luminous intensity: from 18 mcd to 192 mcd.

The AND4 and AND5 LEDs are available in blue and white colors:

<u>Product Name</u>	<u>Color</u>	<u>Material</u>
AND4BA	Blue	GaN
AND4WA	White	GaN
AND5BA	Blue	GaN

The ultra-bright LEDs are surface mount devices (with both flat and domed lens) which are suitable for reflow soldering. These LEDs require only about 10mA of forward current which makes the AND4 and AND5 series very bright for their size.

All of the new devices are designed to withstand surface mount PC-board soldering temperatures and can be either hand soldered, dip soldered or reflow soldered and are thus well suited for PCB placement. The domed lens AND5 series has five times greater light intensity than the flat lens AND4 series but the flat lens is excellent for wide area illumination.

Applications

The AND4 and AND5 series LEDs are well suited for applications in portable instruments, high intensity backlighting of keypads and LCD panels, or any application where a high intensity array of light is required. The low power requirements make all of these devices ideal for handheld or battery-powered equipment. Because of the surface mount packaging and miniature size, these devices are suitable in all applications where low manufacturing and installation costs are required for high density light arrays.

Pricing and Availability

The AND4 and AND5 series are available from stock and priced at \$0.86 each in production quantities.

About AND Optoelectronics

AND Optoelectronics is a proprietary line of LEDs manufactured by Purdy Electronics Corporation which was founded in 1930, and is headquartered in the Silicon Valley in Sunnyvale, California. Purdy Electronics designs, manufactures, and markets electronic components including LCDs, LEDs, cooling fans and blowers, switches and fiber optic components. The products are sold under the company's own brand names: **AND Optoelectronics**, AND Displays, Interfan, Interswitch, and Interoptics.

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