

XZM2DGxxW HRS Series - Heart Rate Sensor LEDs

Optoelectronic components have been evolving in application usages ever since its inception. What started out as simple indicator lights for ON/OFF purposes eventually expanded to LEDs being used aesthetically, enhancing the product in ways beyond indication. SunLED has proudly been a leading manufacturer in each of these turning points in opto technology. Lighting the way towards the next chapter in LED evolution, SunLED introduces the HRS Series - Heart Rate Sensor LEDs.

SunLED's HRS Series is available in 0603 and 1206 packages which are ideal for any compact devices such as wearable electronics. A variety of viewing angles are available including 30°, 60°, and 120° to provide design flexibility. Specific wavelengths of $\lambda_P=520\text{nm}$; $\lambda_D=525\text{nm}$ are deployed in this series, which is the key to having an accurate heart rate measurement.

Product Features

- ◆ Industry standard 0603 and 1206 footprints
- ◆ Optimal wavelength for heart rate sensor applications
- ◆ $\lambda_P=520\text{nm}$; $\lambda_D=525\text{nm}$
- ◆ High intensity output at low currents
- ◆ Compact package selections ideal for wearables
- ◆ Flat lens and dome lens versions available
- ◆ Viewing angle options: 120°, 60°, and 30°

Product Applications

- ◆ Heart rate sensor

Other Featured Products



SunLED is excited to release a series that redefines high intensity, low current LEDs. Designed and built to meet and exceed the most demanding visibility requirements, the XZxxxx55W-8 series outshines nearly all other LEDs. Developed from a combination of AlInGaP and InGaN dies, this series ensures a long and robust lifespan while outputting a brilliant array of colors.



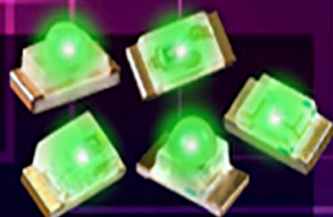
SunLED is excited to make this remarkably unprecedented, groundbreaking announcement of the world's smallest LED – the 0201 LED. With a footprint of 0.65mm x 0.35mm at a mere 0.20mm height, this new 0201 LED offers over 50% size reduction compared to an 0402, shattering all restraints tying down product designs.

HRS Series



Heart Rate Sensor LEDs

XZM2DGxxW Series



- ◆ Optimal wavelengths for heart rate sensors
- ◆ $\lambda_P=520\text{nm}$; $\lambda_D=525\text{nm}$
- ◆ 0603 and 1206 footprints
- ◆ Multiple viewing angle options

click here to
order samples

