

Wide Spectrum PIN Photo diode in a small package

- ✓ **Photodiode sensor capable of detecting light in a wide wavelength range**
Light sensitivity range: From blue-violet to Infrared light
- ✓ **High S/N type that is not affected by lateral ambient light**
Ambient light influence reduced by surrounding light shielding walls
- ✓ **High sensitivity paired with High speed response**

■ Why does the above matter?

The market demands high-sensitivity and high-speed PIN photodiodes for wide wavelength range monitoring/detection. Depending on the application conditions, it is required to minimize effects of ambient light entering from around the sensor.

NJL6407R is a high-speed PIN photodiode that has an excellent sensitivity for a wide wavelength range from blue-violet to infrared light. In addition, by surrounding the photodiode with a light-shielding wall blocking lateral ambient light, it is possible to achieve a higher S/R by reducing the influence of lateral ambient light.

In addition, by realizing a small and thin package, it is suitable for a variety of applications with a small and narrow installation space.

NJL6407R is ideal for high-speed, high-sensitivity sensors that need to be installed under tight spaces conditions such as industrial sensors, white/brown goods and wearable devices.

■ Features

- ▶Leadless surface mount type: 2.0 X 2.9 X 0.75mm
- ▶Active area: 1.16mm x 1.86mm
- ▶Wavelength of peak sensitivity: 800nm
- ▶Clear-type mold-resin
- ▶Pb free solder re-flowing permitted: 260°C, 2Times
- ▶Pb free, Halogen free
- ▶Conformity to RoHS detective

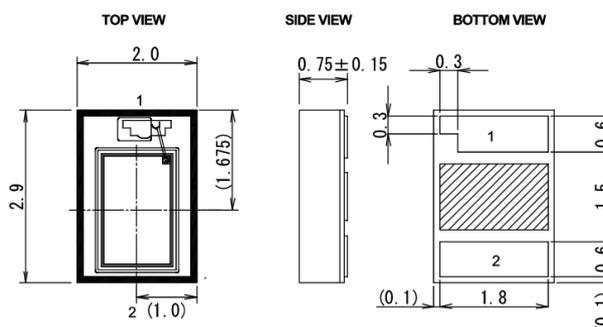
▶[datasheet Link](#)



■ Application Example

- ▶Laser power monitor for Blu-ray, etc
- ▶Monitor for RGB wavelength
- ▶Photoelectric switch, Space light transmitting, etc.
- ▶Various industrial Sensors
- ▶Wearable Devices (Smart watch, Fitness Tracker etc.)

■ Package information



* All information, specifications and product descriptions in this document are subject to change at any time, without prior notice.
* Contact your local NJR office or your distributor to obtain the latest specifications before placing your product order.

