

New Si Photo diode with large active area

- ✓ **Detection under weak light conditions with small mounting area**
Large 2.98mm x 2.98mm active area, but in a small package
- ✓ **Wide spectral operation up to infrared light**
Versions with and w/o visible-light cutting mold-resin available
- ✓ **High sensitivity**
- ✓ **High Speed operation**

■ Why does the above matter?

The market demands further miniaturized high sensitive Si photo diode year by year. One of solution is to become large PD size. However to increase the light detecting area of the photo diode, the package becomes larger and it can't be mounted in a narrow space.

In order to solve this problem, the **NJL6195R** realizes a small package with large light-detecting-PD size. Therefore, it is suitable for high-sensitive light-receiving-system even its narrow mount space required.

The **NJL6195R-W** is a clear-type mold-resin, and it is optimal as a sensor for detecting from blue-violet to infrared light.

■ Features

NJL6195R:

- ▶Leadless surface mount type: 3.55 x 3.95 x 0.8mm
- ▶Active area: 2.98mm x 2.98mm
- ▶Wavelength of maximum sensitivity: 890nm
- ▶Mold resin with visible light cut-off filter
- ▶Pb free solder re-flowing permitted: 260°C, 2Times
- ▶Pb free, Halogen free
- ▶Conformity to RoHS detective

▶[datasheet Link](#)



■ Optional package: NJL6195R-W

NJL6195R-W:

Additional features

- ▶Clear-type mold-resin
- ▶Detect light range: blue-violet to infrared light

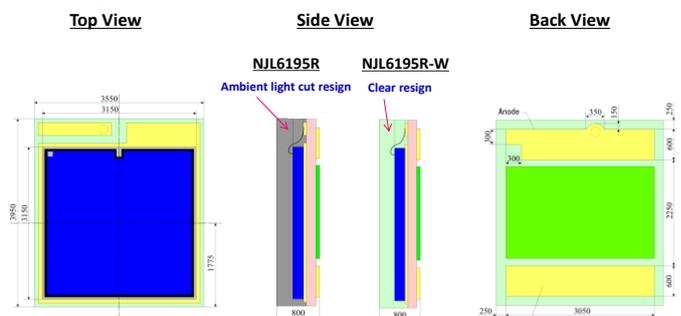
▶[datasheet Link](#)



■ Application Example

- ▶Optical switch
- ▶IR remote control
- ▶TOF sensor
- ▶Energy harvesting light sensor
- ▶Light Barriers & Light curtains

■ 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.



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