

## PGM5506

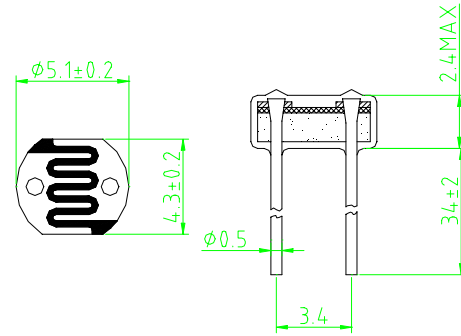
**Features:**

- Epoxy Encapsulated
- Reliable Performance
- Quick Response
- Good Characteristic of Spectrum



**Applications:**

- Industrial Control
- Photoelectric Control
- Photoswitch
- Electronic Toys



| Model   | V <sub>max</sub><br>(VDC) | P <sub>max</sub><br>(mW) | Ambient<br>Temp<br>(°C) | Spectral<br>Peak<br>(nm) | Photo<br>Resistance<br>(10Lx) (KΩ) | Dark<br>Resistance<br>(MΩ)min | γ<br>min | Response Time<br>(ms) |       |
|---------|---------------------------|--------------------------|-------------------------|--------------------------|------------------------------------|-------------------------------|----------|-----------------------|-------|
|         |                           |                          |                         |                          |                                    |                               |          | Rise                  | Decay |
| PGM5506 | 100                       | 90                       | -30 ~ +70               | 540                      | 2 ~ 6                              | 0.15                          | 0.6      | 30                    | 40    |

### Measuring Conditions

1. Light Resistance:
  - Measured at 10 lux with standard light A (2854K-color temperature) and 2hr. preillumination at 400-600 lux prior testing.
2. Dark Resistance :
  - Measured 10 seconds after closed 10 lux.
3. Gamma characteristic:
  - Between 10 lux and 100 lux and given by
  - $\gamma = \log(R_{10}/R_{100}) / \log(100/10) = \log(R_{10}/R_{100})$
  - R<sub>10</sub>,R<sub>10</sub>: Cell resistance at 10 lux and 100 lux. The tolerance of γ is ±0.1.
4. Pmax:
  - Max. Power Dissipation at ambient temperature of 25° C.
5. Vmax:
  - Max. Voltage in Darkness that may be applied to the cell continuously.