

PGM5539

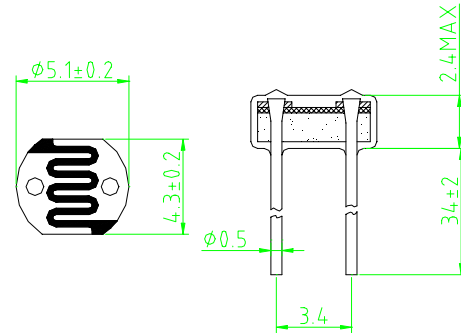
Features:

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



Applications:

- Industrial Control
- Photoelectric Control
- Photoswitch
- Electronic Toys



| Model | V _{max} (VDC) | P _{max} (mW) | Ambient Temp (°C) | Spectral Peak (nm) | Photo Resistance (10Lx) (KΩ) | Dark Resistance (MΩ)min | γ min | Response Time (ms) | |
|---------|---------------------------|--------------------------|-------------------------|--------------------------|------------------------------------|-------------------------------|----------|-----------------------|-------|
| | | | | | | | | Rise | Decay |
| PGM5539 | 150 | 100 | -30 ~ +70 | 540 | 30 ~ 90 | 5.0 | 0.8 | 20 | 30 |

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
 - $\gamma = \log(R_{10}/R_{100}) / \log(100/10) = \log(R_{10}/R_{100})$
 - R₁₀,R₁₀₀: 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.