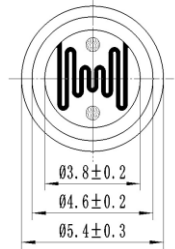
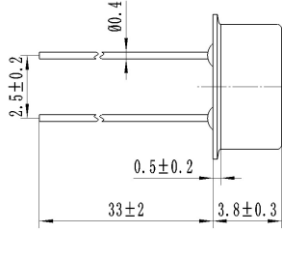




**FEATURES**

- Miniature open frame package
- Epoxy coated
- Moisture resistant
- Spectral response similar to the human eye
- Applications include dusk-dawn lighting control

**LIGHT DEPENDENT RESISTOR**



Dimensions in millimetres

**SPECIFICATION AND PERFORMANCE**

| Model   | Vmax (VDC) | Pmax (mW) | Ambient temp(°C) | Spectral peak (nm) | Light Resistance at 10Lux (KΩ) | Dark Resistance (MΩ) | Gamma a value at 100-10Lux | Response Time (ms) |            |
|---------|------------|-----------|------------------|--------------------|--------------------------------|----------------------|----------------------------|--------------------|------------|
|         |            |           |                  |                    |                                |                      |                            | Rise Time          | Decay time |
| GL4530F | 150        | 50        | -30~+70          | 540                | 45-100                         | 5                    | 0.85                       | 30                 | 30         |

**Measuring Conditions**

- 1. Light resistance:**  
Measured at 10 Lux with standard light A (2854K color temperature) and 2hr illumination at 400-600 lux prior to testing.
- 2. Dark Resistance:**  
Measured 10 seconds after closed 10 lux.
- 3. Gamma Characteristic:**  
Between 10 lux and 100 lux and given by  $\gamma = \lg(R_{10}/R_{100})$   
R10、R100 Cell resistance at 10 lux and 100 lux.  
The error of  $\gamma$  is  $\pm 0.1$ .
- 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.

**Spectral Response**

