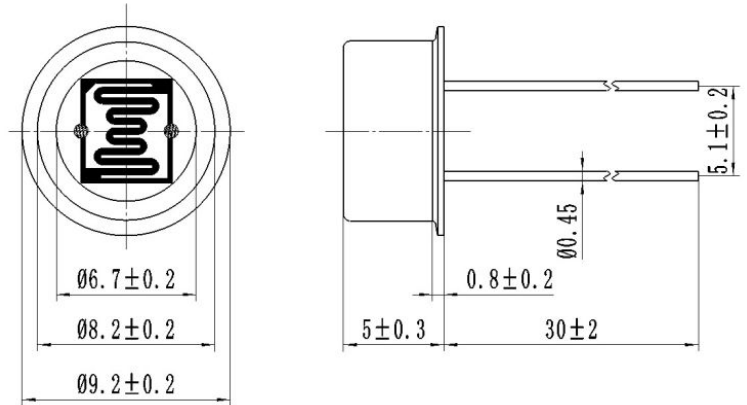




### FEATURES

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

### LIGHT DEPENDENT RESISTOR



### SPECIFICATION AND PERFORMANCE

| Model   | Vmax (VDC) | Pmax (mW) | Ambient temp(°C) | Spectral peak (nm) | Light Resistance at 10Lux (K $\Omega$ ) | Dark Resistance (M $\Omega$ ) | Gamma value at 100-10Lux | Response Time (ms) |            |
|---------|------------|-----------|------------------|--------------------|---|-------------------------------|--------------------------|--------------------|------------|
|         |            |           |                  |                    |   |                               |                          | Rise Time          | Decay time |
| GL7510F | 100        | 150       | -30~+70          | 540                | 8-20                                    | 1                             | 0.65                     | 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  $\gamma = \lg(R_{10}/R_{100})$

R<sub>10</sub>、R<sub>100</sub> 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

