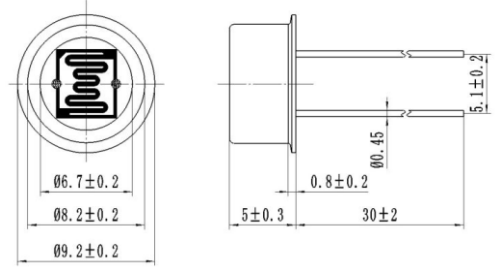




**FEATURES**

- 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 (KΩ) | Dark Resistance (MΩ) | Gamma value at 100-10Lux | Response Time (ms) |            |
|---------|------------|-----------|------------------|--------------------|--------------------------------|----------------------|--------------------------|--------------------|------------|
|         |            |           |                  |                    |                                |                      |                          | Rise Time          | Decay time |
| GL7520F | 150        | 150       | -30~+70          | 540                | 16-50                          | 1                    | 0.75                     | 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.

