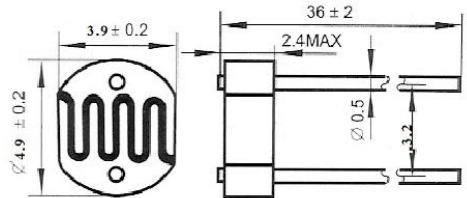




FEATURES

- 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 value at 100-10Lux | Response Time (ms) | |
|---------|------------|-----------|------------------|--------------------|--------------------------------|----------------------|--------------------------|--------------------|------------|
| | | | | | | | | Rise Time | Decay time |
| GL48516 | 150 | 90 | -30~+70 | 560 | 5-10 | 0.2 | 0.6 | 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 γ is ± 0.1 .

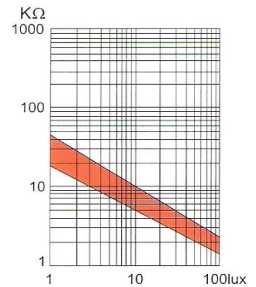
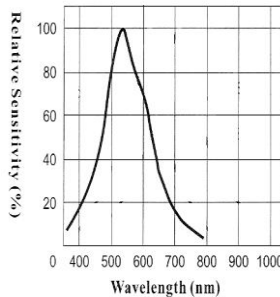
4. Pmax:

Max. power dissipation at ambient temperature of 25 °C.

5. Vmax:

Max. voltage in darkness that may be applied to the cell continuously.

Spectral Response



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