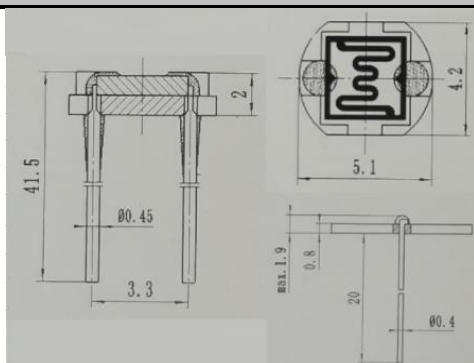


**FEATURES**

- 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
A995009	100	90	-30~+70	530	4-11	0.12	0.65	30	30

**测试条件**

- 1.亮电阻：用400-600Lux光照射60-90分钟后，在标准光源A(色温2854K)下，用10Lux光测量。
- 2.暗电阻：关闭10Lux光照后第10秒的电阻值（特别注明除外）。
- 3.γ：是指10Lux和100Lux照度下的标准值。  

$$\gamma = \frac{\lg(R10/R100)}{\lg(100/10)} = \lg(R10/R100)$$
R10、R100分别为10Lux和100Lux照度下的电阻值。  
γ的公差为±0.15。
- 4.最大功率损耗：环境温度为25℃时的最大功率。
- 5.最大外加电压：在黑暗中可连续施加给元件的最大电压。

**焊接条件**

- 1.焊接温度：小于260℃
- 2.焊接时间：不大于3秒
- 3.焊接距离（距基板底部）：大于3mm

**注：**

- 1.本规格书所列型号为常规型号，可根据客户需求特别定制。
- 2.请在规格要求范围内使用，严禁超负荷使用。

**Measuring Conditions**

1. Light resistance: Measured at 10 Lux with standard light A (2854K color temperature) and 60-90minutes illumination at 400-600 Lux prior testing.
- 2.Dark Resistance: Measured 10 seconds after closed 10 lux ( The special notes are not included ) .
- 3.Gamma Characteristic: Between 10 lux and 100 lux and given by  

$$\gamma = \frac{\lg(R10/R100)}{\lg(100/10)} = \lg(R10/R100)$$
R10、R100 Cell resistance at 10 lux and 100 lux.  
The error of γ is ±0.15
- 4.P max; Max. Power dissipation at ambient temperature of 25 °C.
- 5.V max; Max. Voltage in darkness that may be applied to the cell continuously.

**Soldering condition requirments:**

- 1.temperature:less than 260
- 2.Time:equal or less than 3 seconds
- 3.Distance from case:more than 3mm

**Notes :**

- 1.Here listed types are common ones and customized selections available on request.
- 2.Please use it within the specifications requirements.No overload is allowed.

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