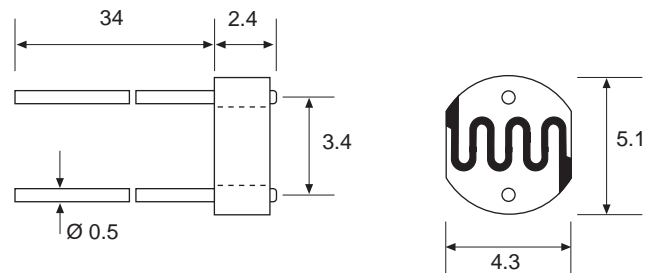


### FEATURES

- 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 10 lux (kΩ)	Dark Resistance (MΩ)	Gamma Char. $T_{10}^{100}$	Response Time (ms)	
								Rise Time	Decay Time
VAC54	150	100	-30 ~ +80	590	50 ~ 140	20	0.7	20	30

#### Measuring Conditions

1. Light Resistance: measured at 10 lux with standard light A (2854k color temperature) and 2h pre-illumination at 400-600 lux prior to testing.
2. Dark Resistance: measured 10 seconds after pulsed 10 lux.
3. Gamma Characteristic: between 10 lux and 100 lux and given by  

$$T = \frac{\log(R_{10}/R_{100})}{\log(100/10)} - \log(R_{10}/R_{100})$$
 R10, R100 cell resistance at 10 lux and 100 lux. The error of T 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.

