

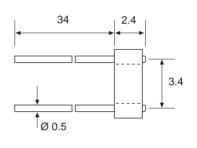
MINIATURE CADMIUM SULPHIDE PHOTOCONDUCTIVE CELL

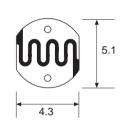


FEATURES

- 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 100	Response Time (ms)	
								Rise Time	Decay Time
VAC54	150	100	-30 ~ +80	590	50 ~ 140	20	0.7	20	30

Measuring Conditions

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

 $T = \frac{\log (R10/R100)}{\log (100/10)} - \log (R10/R100)$

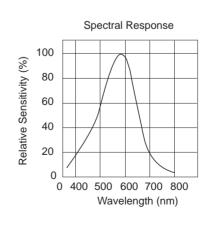
R10, R100 cell resistance at 10 lux and 100 lux. The error of T is +0.1.

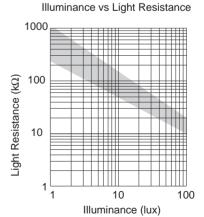
4. Pmax:

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

5. Vmax:

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





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