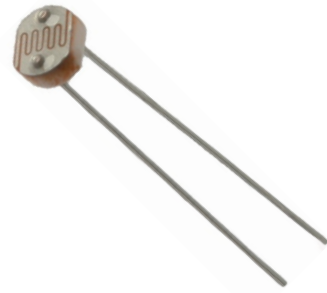


# LDR PHOTOCONDUCTIVE CELL

## LDR07

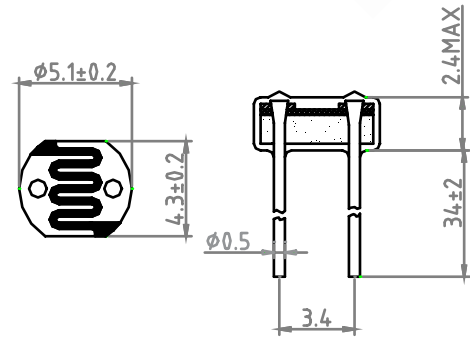
### Features:

- Epoxy Encapsulated
- Reliable Performance
- Quick Response
- Good Characteristic of Spectrum



### Applications:

- Industrial Control
- Photoelectric Control
- Photoswitch
- Electronic Toys



Model	V <sub>max</sub> (VDC)	P <sub>max</sub> (mW)	Ambient Temp (°C)	Spectral Peak (nm)	Photo Resistance (10Lx) (KΩ)	Dark Resistance (MΩ)min	γ min	Response Time (ms)	
								Rise	Decay
LDR07	150	100	-30 ~ +70	540	16 ~ 50	2.0	0.7	20	30

### Measuring Conditions

1. Light Resistance:  
Measured at 10 lux with standard light A (2854K-color temperature) and 2hr. preillumination at 400-600 lux prior testing.
2. Dark Resistance :  
Measured 10 seconds after closed 10 lux.
3. Gamma γ characteristic:  
Between 10 lux and 100 lux and given by  

$$\gamma = \frac{\log(R_{10}/R_{100})}{\log(100/10)} = \log(R_{10}/R_{100})$$
 R<sub>10</sub>, R<sub>100</sub>: Cell resistance at 10 lux and 100 lux. The tolerance of γ is ±0.1.
4. P<sub>max</sub>:  
Max. Power Dissipation at ambient temperature of 25° C.
5. V<sub>max</sub>:  
Max. Voltage in Darkness that may be applied to the cell continuously.