

PHOTO CONDUCTIVE CELL

Features

- Epoxy Encapsulated
- Small Size
- Quick Response
- Reliable Performance
- High Sensitivity
- Good Characteristic of Spectrum

Applications

- Auto Flash For Cameras
- Room Light Control
- Photolamp
- Industrial control
- Photoelectric Control
- Annunciator
- Photoswitch
- Electronic Toys

Measuring Conditions

1. Light resistance:

Measured at 10 Lux with standard light A (2854k color temperature) and 2 hours illumination at 400-600 lux prior testing.

2. Dark Resistance:

Measured 10 seconds after closed 10 lux.

3. Gamma Characteristic:

The relation between the rate of change of resistance and the variation of incident ray may be calculated through the formula noted below:

$R_{10} \cdot R_{100}$ Cell resistance at 10 lux and 100 lux, The error of 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.

Specification

model	V max (VDC)	P max (mW)	Ambient Temp(°C)	Spectral Peak(nm)	Photo Resistance (kΩ)		Dark Resistance (MΩ)	100/10	Response Time(ms)		Illuminance Vs photo resistance
					R10	R100			Rise time	descent time	
GL5516	150	100	-30~+70	540	5—10	<=2	0.2	0.6	30	30	2
GL5528	150	100	-30~+70	540	10—20	2—4	1.0	0.7	20	30	3
GL5537	150	100	-30~+70	540	20—50	4—10	2.0	0.7	20	30	4
GL5539	150	100	-30~+70	540	50—90	10—15	5.0	0.8	20	30	5
GL5549	150	100	-30~+70	540	90—150	15—20	10.0	0.9	20	30	6
GL5559	150	100	-30~+70	540	150—300	20—60	20.0	0.9	20	30	6
GL5616D	150	100	-30~+70	560	5—10	<=2	1.0	0.6	30	30	2
GL5626D	150	100	-30~+70	560	10—20	2—4	2.0	0.6	20	30	3
GL5637D	150	100	-30~+70	560	20—50	4—10	5.0	0.7	20	30	4
GL5639D	150	100	-30~+70	560	50—90	10—15	10.0	0.8	20	30	5
GL5649D	150	100	-30~+70	560	90—150	15—20	20.0	0.9	20	30	6
GL5659D	150	100	-30~+70	560	150—300	20—60	20.0	0.9	20	30	6