

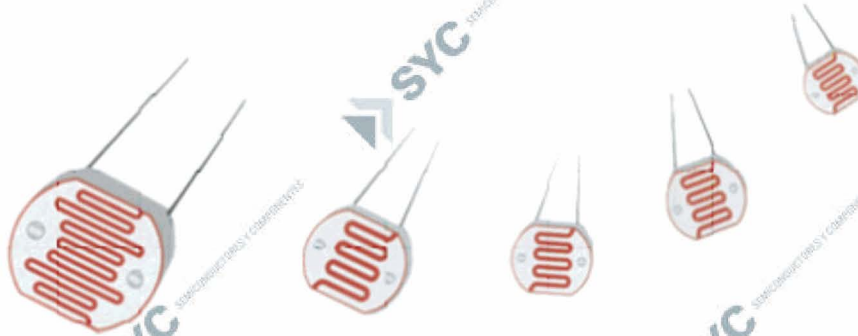
CODIGO

MLGXXXX

DESCRIPCION

Fotoresistencia R(10LUX)

PHOTOCONDUCTIVE CELL (CDS)



CdS photosensitive resistors are a kind of semiconductor photosensitive elements, which are subject to the test of intensifying and aging. In addition to the characteristics of high sensitivity, quick response and good conformity of spectrum properties and γ value, the products can work well with high stability and reliability under adverse circumstances such as high temperature and humidity and it is widely used in the field of light self-control such as **cameras, solar yard lamps, lawn lamps, bank-note inspecting machines, quartz clocks, musical cups, gift boxes, mini-night lamps, light and sound control switches, automatic switches for street lamps and various kinds of light control toys, light control lamps and lanterns, etc...**

THE MOST COMMON SERIES

MLG55 series

Test Conditions & Performance Characteristics

1? Bright Resistance: it refers to the resistance value which is tested with an illumination intensity of 10 Lux under standard light source A (color temperature 2854K).

2? Dark Resistance: it refers to the resistance value which is tested at the tenth second after the light source is turned off (0 lux).

3? γ value represents the standard value under illumination intensity of 10 Lux and 100

$$\gamma = \frac{10g(R_{10}/R_{100})}{10g(100/10)} = 10g(R_{10}/R_{100})$$

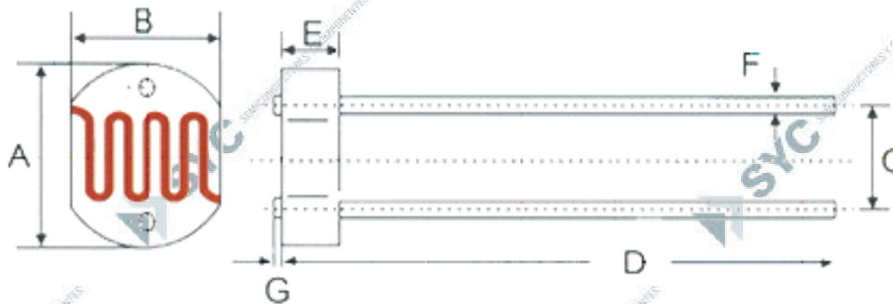
R₁₀ and R₁₀₀ are the bright resistance values for 10Lux and 100Lux respectively. The tolerance of γ value is ± 0.1 .

4? The maximum power loss: the maximum power loss at the ambient temperature of 25? .

5? The maximum applied voltage: It refers to the maximum voltage that can be applied to the element continuously in darkness.

CODIGO	DESCRIPCION
MLGXXXX	Fotoresistencia R(10LUX)

55 series	Maximum voltage VDC	Maximum loss (mw)	Temperature ?	Spectrum maximum (nm)	10Lux (K Ω)	Dark Resistance (M Ω)	100 γ 10	Response time(ms)	
								UP	DOWN
MLG5506	100	90	-30? +70	540	4-6	>0.5	0.6	30	40
MLG5516	100	90	-30? +70	540	5-10	>1.0	0.6	30	40
MLG5527	150	100	-30? +70	540	10-20	>2.0	0.7	20	30
MLG5537	150	100	-30? +70	540	20-30	>5.0	0.7	20	30
MLG5547	150	100	-30? +70	540	30-50	>10	0.7	20	30
MLG5548	150	100	-30? +70	540	50-100	>20	0.8	20	30
MLG5558	150	100	-30? +70	540	100-200	>20	0.8	20	30
MLG5569	150	100	-30? +70	540	200-400	>30	0.9	20	30



MLG55 series $\phi 5$	A	B	C	D	E	F	G
	5.1 \pm 0.2	4.3 \pm 0.2	3.4 \pm 0.1	36 \pm 1	1.8 \pm 0.2	0.4 \pm 0.02	0.2 \pm 0.05

We also can supply : MLG34 , MLG44 , MLG75, MLG125, MLG206 Series.