

# CdS PHOTOCONDUCTIVE CELLS

## Features:

Epoxy Encapsulated  
 Small Size  
 Reliable Performance

Quick Response  
 High Sensitivity  
 Good Characteristic of Spectrum

Model	Diameter(mm)	V max(V DC)	P max(mW)	Ambient Temp	Spectral Peak (nm)	Photo Resistance 10Lux(k )	Dark Resistance (M )	r	Response Time		
									Rise Time	Decay Time	
GL4526	4	150	50	-30-70	540	5-10	0.5	0.6	30	30	
GL4537		150	50	-30-70	540	8-20	2	0.7	30	30	
GL4548		150	50	-30-70	540	45-140	5	0.8	30	30	
GL5516	5	150	90	-30-70	540	5-10	0.2	0.6	30	30	
GL5528		150	100	-30-70	540	8-20	1	0.7	20	30	
GL5537		150	100	-30-70	540	18-50	2	0.7	20	30	
GL5539		150	100	-30-70	540	30-90	5	0.8	20	30	
GL5549		150	100	-30-70	540	45-140	10	0.8	20	30	
GL5616d		150	100	-30-70	560	5-10	1	0.6	30	30	
GL5626d		150	100	-30-70	560	8-20	2	0.6	20	30	
GL5637d		150	100	-30-70	560	18-50	5	0.7	20	30	
GL5639d		150	100	-30-70	560	30-90	8	0.8	20	30	
GL5649d		150	100	-30-70	560	50-160	20	0.8	20	30	
GL5526F		5	150	100	-30-70	540	8-20	0.5	0.6	30	30
GL5537F			150	100	-30-70	540	18-50	1	0.7	30	30
GL5549F	150		100	-30-70	540	45-140	5	0.8	30	30	
GL7516	7	150	100	-30-70	560	4-10	0.5	0.6	30	30	
GL7528		150	150	-30-70	560	8-20	2	0.7	30	30	
GL7638		150	150	-30-70	560	18-50	5	0.8	30	30	
GL7649		150	150	-30-70	560	45-140	10	0.8	30	30	
GL12528	12	250	200	-30-70	560	8-20	2	0.6	30	30	
GL12537		250	200	-30-70	560	18-50	5	0.7	30	30	
GL12549		250	200	-30-70	560	45-140	10	0.8	30	30	
GL20528	20	500	500	-30-70	560	8-20	2	0.6	30	30	
GL20537		500	500	-30-70	560	18-50	5	0.7	30	30	
GL20549		500	500	-30-70	560	45-140	10	0.8	30	30	

**Remark:** Welcome to ask for samples, however, all costs, including merchandise, taxes and shipping, will be paid by customer.

## Terms & Conditions

Minimum order: 1000pcs Per order

Delivery: Three days upon receipt of order confirmation but subject to our final confirmation



# 测试条件

- 亮电阻**  
用400-600Lux光照射2小时后，在标准光源A(色温2854K)下，用10Lux光测量。
- 暗电阻**  
关闭10Lux光照后第10秒的电阻值。
- $r$**   
是指10Lux和100Lux照度下的标准值。  
$$r = \frac{\lg(R_{10}/R_{100})}{\lg(100/10)} = \lg(R_{10}/R_{100})$$
  
R10、R100分别为10Lux和100Lux照度下的电阻值。  
 $r$ 的公差为  $\pm 0.1$ 。
- 最大功率损耗**  
环境温度为25°C时的最大功率。
- 最大外加电压**  
在黑暗中可连续施加给元件的最大电压。

# Measuring Conditions

- Light resistance:**  
Measured at 10 Lux with standard light A (2854K color temperature) and 2hr illumination at 400-600 lux prior testing.
- Dark Resistance:**  
Measured 10 seconds after closed 10 lux.
- Gamma Characteristic:**  
Between 10 lux and 100 lux and given by  
$$r = \frac{\lg(R_{10}/R_{100})}{\lg(100/10)} = \lg(R_{10}/R_{100})$$
  
R10、R100 Cell resistance at 10 lux and 100lux.  
The error of  $r$  is  $\pm 0.1$ .
- Pmax:**  
Max. Power dissipation at ambient temperature of 25°C.
- Vmax:**  
Max. Voltage in darkness that may be applied to the cell continuously.

## 光谱响应特性(图1) Spectral Response (Fig 1)

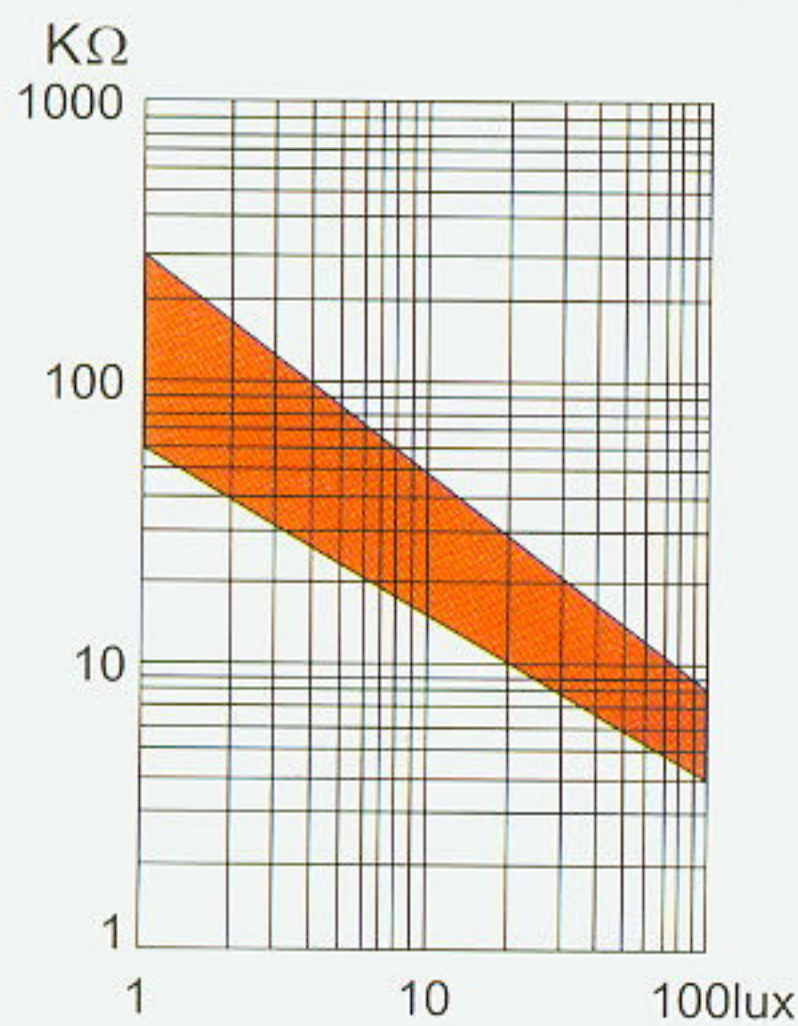
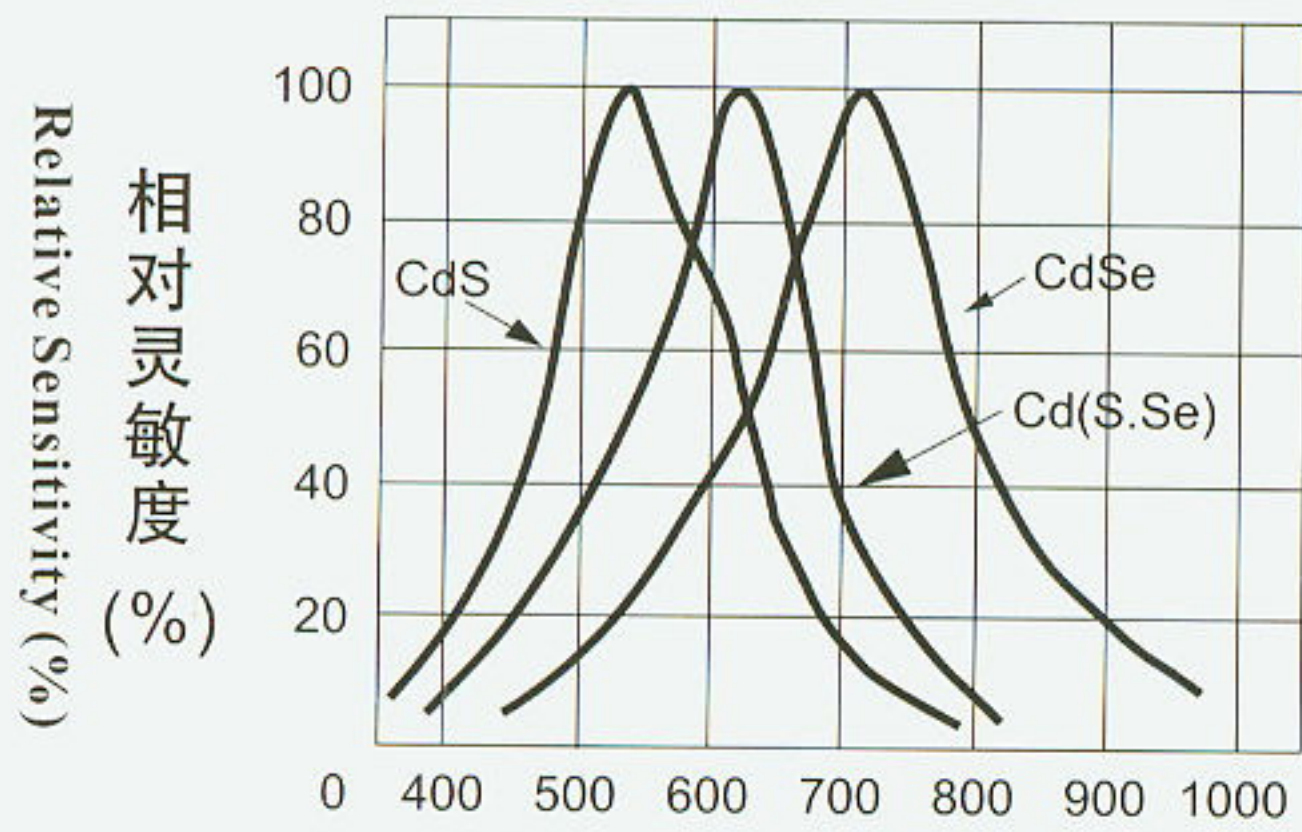
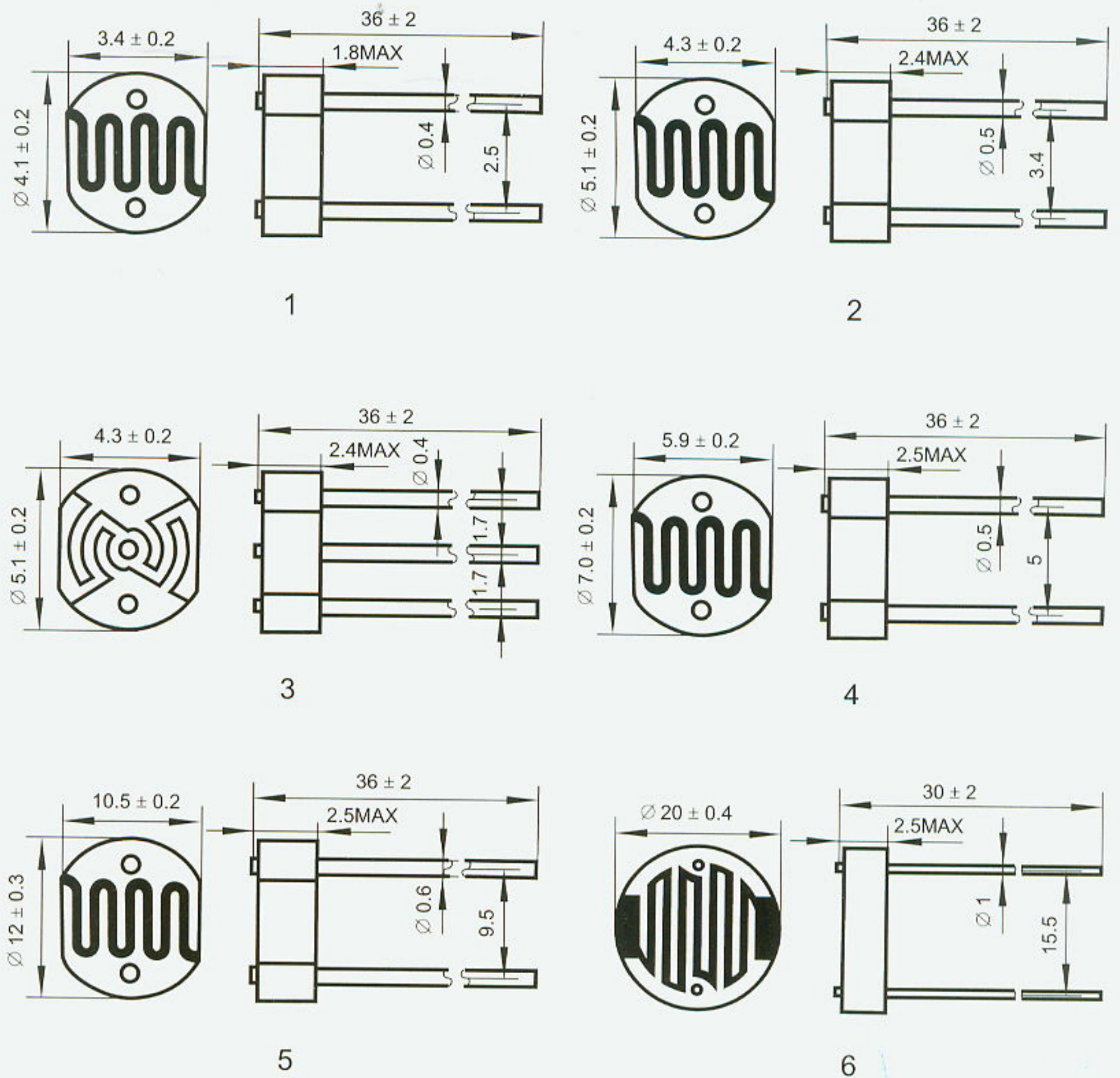


图4 Fig4



# 外型尺寸图Outline(mm)

## 照度——电阻特性(图2-图6) Illuminance Vs. Photo Resistance (Fig 2-6)

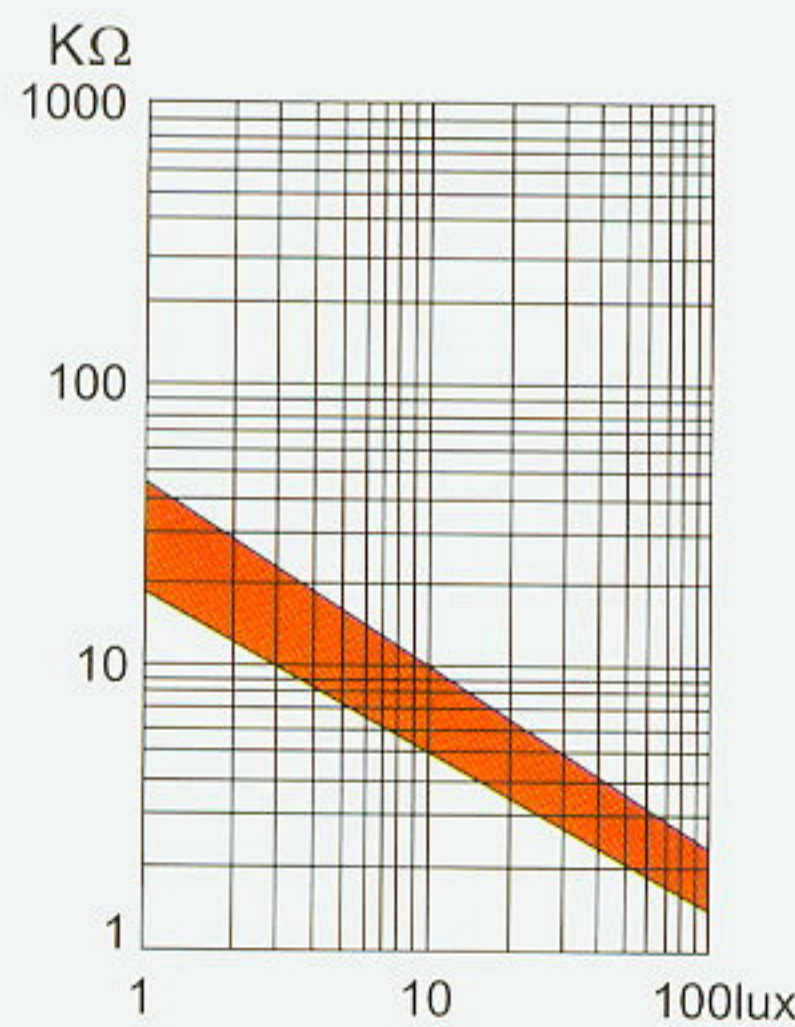


图2 Fig2

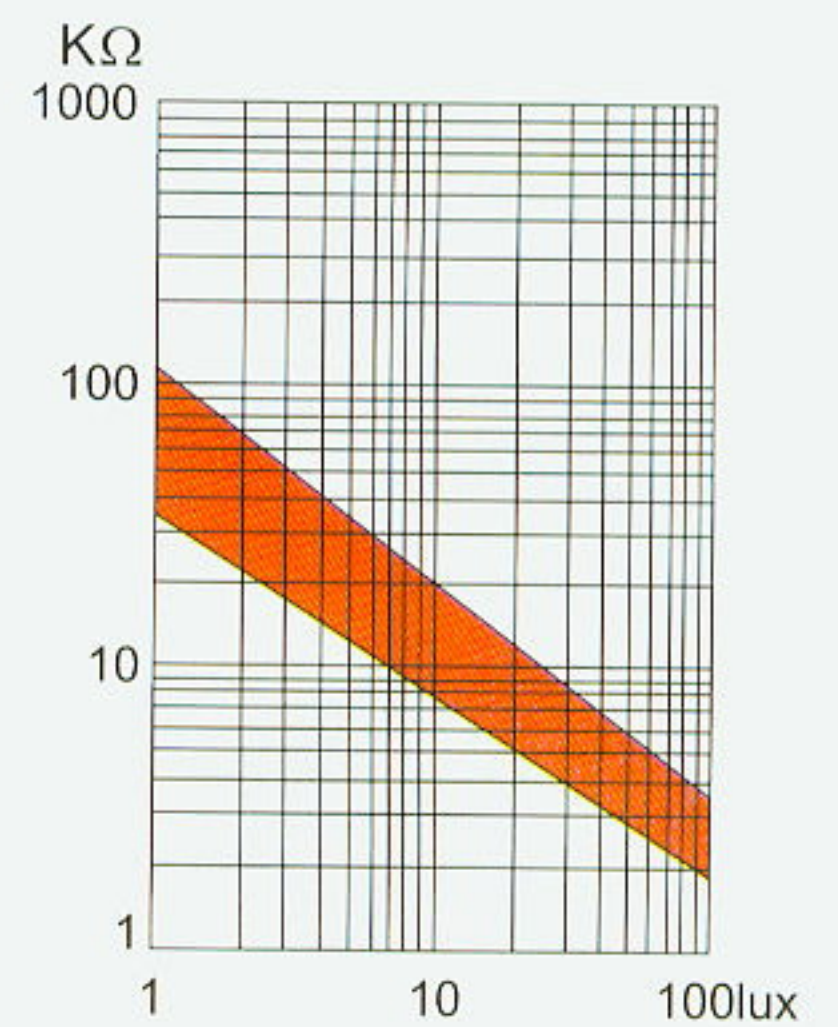


图3 Fig3

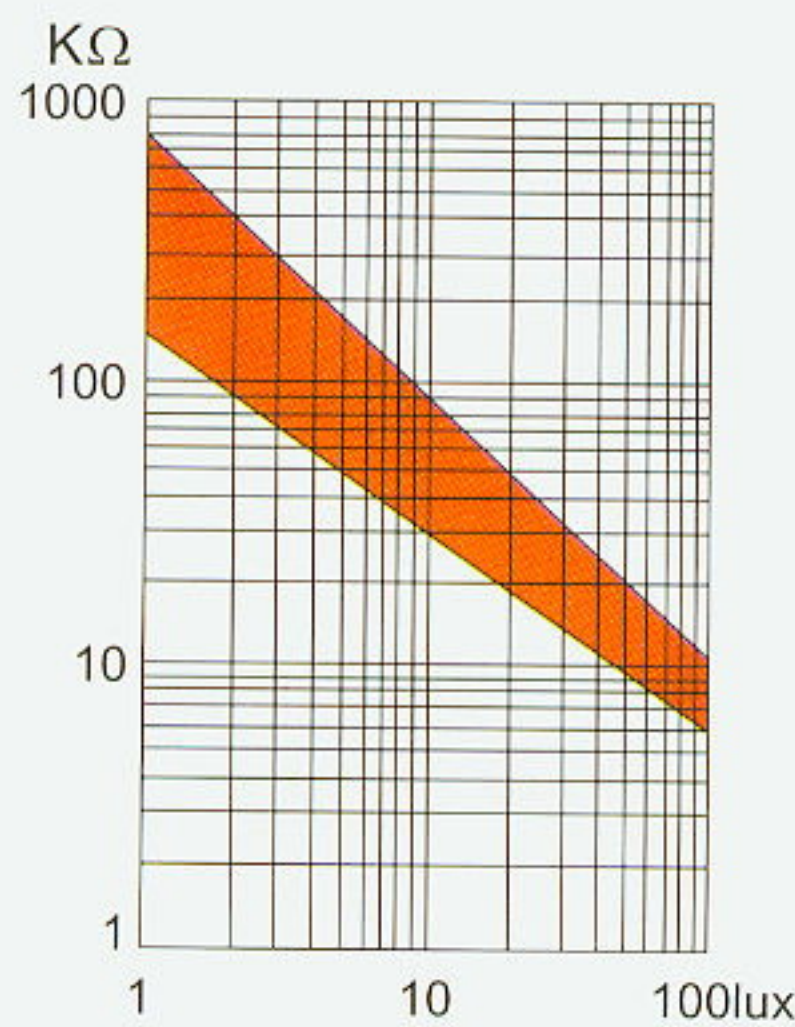


图5 Fig5

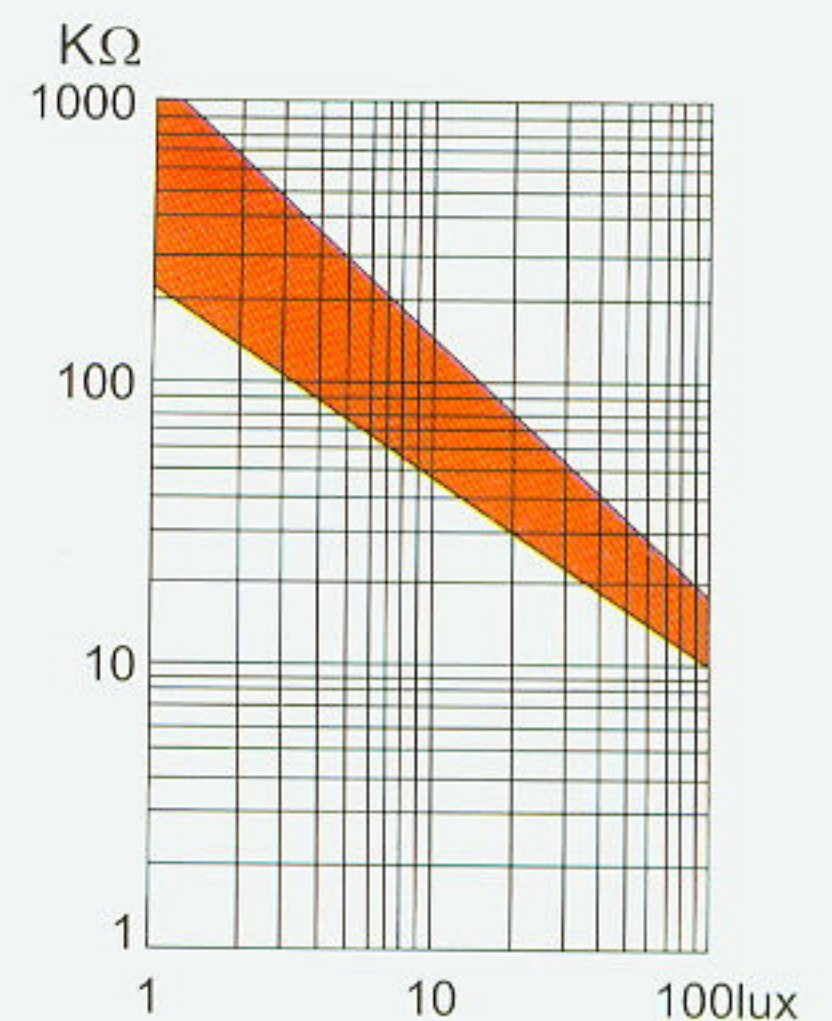


图6 Fig6