

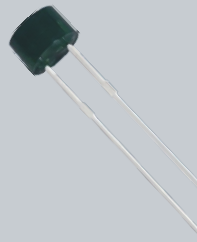

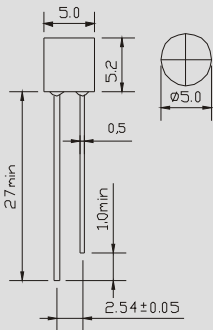
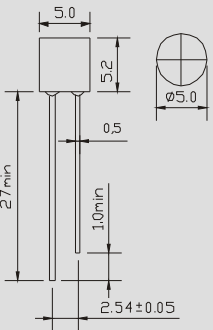
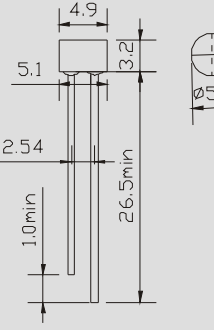
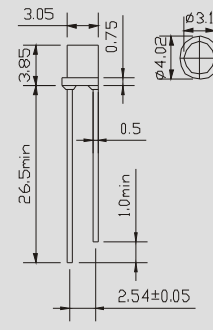


Size 外觀尺寸		Φ5 Flat-Head/平頭			Φ3 Flat-Head 平頭
Photo 圖片					
Type 型號		LLS05-F	LLS05-L ML	LLS05-D ML	LLS03-G ML
Dimensions(mm) 膠體尺寸		5.0*5.2	5.0*5.2	4.9*3.2	3.1*3.85
Colloid Color 膠體顏色		Water Clear	Blue		
Light Current(μA) 光電流(典型值)	Vdd=5v Ev=10Lux	8	3	4	3
Dark Current(μA) 暗電流(典型值)	Vdd=5v Ev=0Lux	<0.5μA			
C-E breakdown Voltage(V) 擊穿電壓	100μA IB=0	70			
E-Cbreakdown Voltage(V) 擊穿電壓	100μA IB=0	30			
Spectral Response (nm) 響應光譜		450-700			
Half Angle 半角度		100°			
Dimensions 尺寸圖					

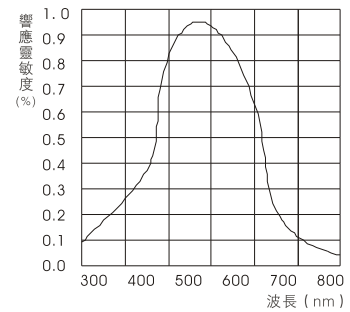
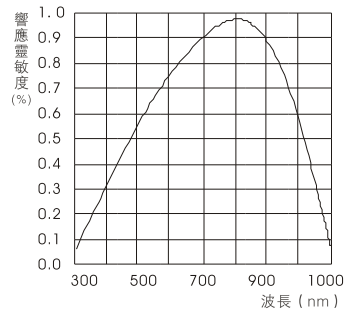
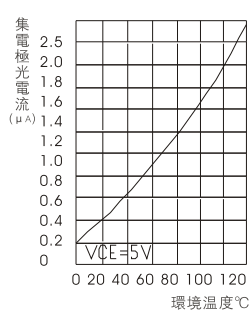
### Typical application 典型應用

- Replace Photoresistor(LDR). 替代传统光敏电阻
- Control backlight brightness for LCD Monitors, TV sets, PDA, Cameras and Mobile Phones.  
自动调节背景光, 如: LCD显示器, 电视, PDA, 照相机和移动电话等
- Switch for Lighting equipments and Toys. 控制家用、商用照明设备以及玩具
- Various infrared detection equipments. 各类红外线检测等设备
- Various security products. 各类安防产品

### Characteristics 主要特徵

- Linear output following the illuminance. 输出随光照度线性变化
- The spectral response of built-in optical filter similar to human eyes. 内置的光学滤波器的光谱相应类似于人类的眼睛
- High-gain photocurrent amplifier IC. 高增益光电流放大IC
- Temperature stability. 具有一定的温度稳定性
- Low dark current, high sensitivity. 低暗电流, 高灵敏度
- RoHS Compliance/Pb-free/Cd-free. 符合RoHS指令/无铅/无镉等

### Typical performance curve 主要特性曲線



### Package 使用注意及標準包裝

- Do not use the sensor exceeding its specification.
- The application circuit included in this Instruction is for reference only. design circuit and adjust the parameters according to the practical application.
- With COMS IC inside, careful of the Electro Static Discharge.
- Ensure the welding temperature not above the rated range, avoid the exogenic force on pins during or ending of welding.
- The product is compliant with ECC RoHS.
- The photocurrent will be influenced by dirty and destroy on the surface.
- Small package for 1000PCS, large packing for 10000PCS.
- 不要在超出产品规格范围的情况下使用本产品。
- 本说明提到的应用电路仅作为标准使用范例。请根据外围设施来设计电路并调整参数设置。
- 本产品内置CMOS IC, 应避免静电产生而导致的破坏。
- 注意保证焊接温度不能超过额定范围, 在焊接过程中或焊接完毕时应避免有外力作用于引脚, 不可重复焊接。
- 本产品符合欧盟RoHS环保指令。
- 本产品表面的损伤和污染均会影响光电流。
- 小包装1000支, 大包装10000支。