









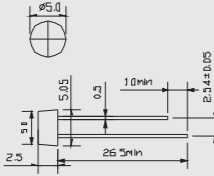
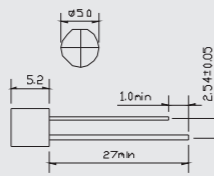
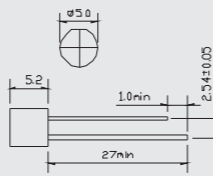
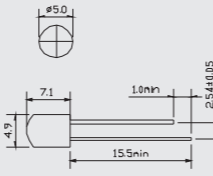
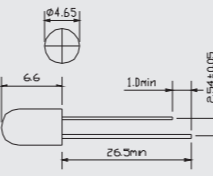
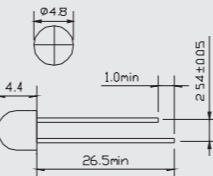
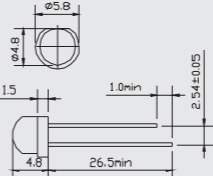
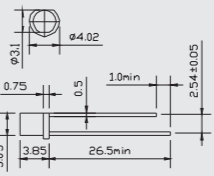
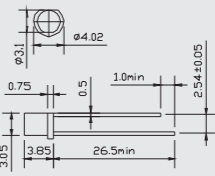
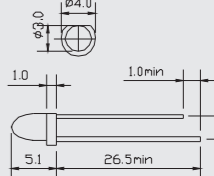


Size 外觀尺寸		Φ5 Flat-Head/平頭			Φ5 Round 圓頭		Φ5 Straw-Hat/草帽		Φ3 Flat-Head /平頭		Φ3 Bullet 子彈頭
Photo 圖片											
Type 型號		LBCETC1-100	LS06-MΦ5	LLS08-J	LS06-BML	LS07-AΦ5	LS06-SΦ5	LS06-BΦ5	LS06-SΦ3	LLS03-FΦ3	LS07-AΦ3
Dimensions(mm) 膠體尺寸		5.0*2.5	5.0*5.2	5.0*5.2	5.0*7.1	4.65*6.6	4.8*4.4	4.8*4.8	3.05*3.85	3.05*3.85	3.0*5.1
Colloid Color 膠體顏色		Water Clear	Water Clear	Grey	Water Clear	Water Clear	Water Clear	Water Clear	Water Clear	Grey	Water Clear
Light Current(μA) 光電流(典型值)	Vdd=5v Ev=10Lux	100	35	6	6	40	25	60	25	70	100
Dark Current(μA) 暗電流(典型值)	Vdd=5v Ev=0Lux	<1μA	<0.5μA	<0.5μA	<0.5μA	<0.5μA	<0.5μA	<0.5μA	<0.5μA	<1μA	<1μA
C-E breakdown Voltage(V) 擊穿電壓	100μA IB=0	30	70	7.5	7.5	30	70	70	70	70	30
E-C breakdown Voltage(V) 擊穿電壓	100μA IB=0	6.5	7	5	5	6.5	7	7	7	7	6.5
Spectral Response (nm) 響應光譜		450~1050	450-1050	450-700	450-700	450-1050	450-1050	450-1050	450-1050	450-700	450-1050
Half Angle 半角度		100°	100°	100°	80°	60°	80°	80°	60°	100°	30°
Dimensions 尺寸圖											

## Applications 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

## Features 特性

- 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

## Cautions 使用說明

- Do not use the sensor exceeding its specification.
- The application circuit included in this Instruction is for reference only. Please 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.
- The sensors are small, transparent, plastic packaged, avoiding the use or storage in damp environment.
- 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。
- 本产品采用微型透明塑料封装, 避免在过于潮湿环境中使用。
- 小包装1000支, 大包装10000支。

Type 型號	SF35TC5TA-5	SF35TC5TFH-10	SF35TC5ZB-20	SF35TC5ZA-30	SF35TC5ZC-40	SF35TC5FH-60	SF35TC5FH0-70	SF35TC5FH-90	SF35TC5FH0-140
Photo 圖片									
Dimensions(mm) 膠體尺寸	3.5*2.8	3.5*2.8	3.5*2.8	3.5*2.8	3.5*2.8	3.5*2.8	3.5*2.8	3.5*2.8	3.5*2.8
Colloid Color 膠體顏色	Water Clear	Water Clear	Water Clear	Water Clear	Water Clear	Water Clear	Water Clear	Water Clear	Water Clear
Light Current(μA) 光電流(典型值) Vdd=5v Ev=10Lux	10	15	30	40	50	60	70	90	145
Dark Current(μA) 暗電流(典型值) Vdd=5v Ev=0Lux	<0.5μA	<0.5μA	<0.5μA	<0.5μA	<0.5μA	<1μA	<1μA	<1μA	<1μA
C-E breakdown Voltage 擊穿電壓 100μA IB=0	7.5	30	70	70	70	30	30	30	30
E-C breakdown Voltage 擊穿電壓 100μA IB=0	5	6.5	7	7	7	6.5	6.5	6.5	6.5
Spectral Response 響應光譜	450-700	450-1050	450-1050	450-1050	450-1050	450-1050	450-1050	450-1050	450-1050
Half Angle 半角度	120°	120°	120°	120°	120°	120°	120°	120°	120°
Dimensions 尺寸圖	<p>①Emitter ②Collector ①晶體管發射極 ②集電極</p> <p>Notes: 1.All dimensions are in millimeters 2.Tolerances unless dimensions ±0.1mm 備注: 1.所有的尺寸單位是毫米 2.正負公差在0.1毫米</p>								

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