

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	LBCETC1-60	LLS05-A有卡	LS06-MΦ5	LS07-C咖啡色	LS07-AΦ5	LS06-SΦ5	LS06-BΦ5	LS06-SΦ3	LS06-BΦ3	LS07-AΦ3
Dimensions (mm) 膠體尺寸	5.0*2.5	5.0*4.3	5.0*6.8	4.65*6.6	4.8*4.8	4.85*4.8	4.8*4.8	3.05*3.85	3.0*4.6	3.0*5.1
Lens Color 膠體顏色	Water Clear	Water Clear	Water Clear	Coffee Diffused	Water Clear	Water Clear	Water Clear	Water Clear	Water Clear	Water Clear
Collect Light Current(μA) 光電流(典型值) Vdd=5v Ev=10Lux	50	10	40	35	25	25	50	25	70	100
Dark Current (μA)C-E 暗電流 Vdd=5v Ev=0Lux	<100μA	<50 μA	<50 μA	<50 μA	<50μA	<50μA	<10μA	<10μA	<10μA	<50μA
C-E breakdown Voltage 擊穿電壓 100μA IB=0	30	7.5	70	10	30	70	70	70	70	30
E-C breakdown Voltage 擊穿電壓 100μA IB=0	6.5	5	7	7	6.5	7	7	7	7	6.5
Response 响应光谱	450~1050	450-700	450-1050	450-1050	450-1050	450-1050	450-1050	450-1050	450-1050	450-1050
Half Angle 半角度	100°	80°	80°	30°	30°	80°	80°	60°	60°	30°
Dimensions 尺寸圖										

Applications 典型應用

- Replacement of Photoresistor (CdS). 替代传统光敏电阻 (CdS)
- Control of backlight brightness for LCD Monitors, TV sets, PDA, Cameras and Mobile Phones. 自动調節背景光, 如: LCD 顯示器, 電視, PDA, 照相機和移動電話等
- Switch for lighting equipments and Toys. 控制家用、商用照明設備以及玩具
- Various types of infrared detection equipment. 各类红外线检测等设备
- Various types of security products. 各类安防产品

Features 特性

- Linear output conforming to illuminance. 輸出隨光照度線性變化
- Built-in optical filter for spectral response similar to that of the human eye. 内置的光学滤波器的光谱响应类似于人类的眼睛
- High Gain Photocurrent Amplifiers IC. 高增益光電流放大IC
- Temperature Stable. 具有一定的溫度穩定性
- Low dark current and Low working Lux. 低暗電流, 高靈敏度
- RoHS Compliant / Pb-free / Cd-free. 符合RoHS指令 / 無鉛 / 無鎘等

Cautions 使用說明

- Do not use the sensors under conditions that exceed the range of its specifications.
 - Application circuit diagrams and circuit constants contained herein are shown as examples of standard use and operation. Please pay careful attention to the peripheral conditions when designing circuits and deciding upon circuit constants in the set.
 - CMOS IC is contained, so static electricity should be avoided.
 - Be sure to perform soldering at values within the maximum ratings. Take care so that no external force is applied to the lead during and immediately after soldering. Do not perform reflow soldering.
 - The product is compliant with ECC RoHS.
 - The photocurrent will be influenced if the dirty or destroy on the surface.
 - The sensors are small, transparent, plastic packages. They are sensitive to moisture and come in sealed, moisture proof packages.
 - Small packing for 1000PCS, Big packing for 10000PCS.
- 不要在超出產品規格範圍的情況下使用本產品。
 - 本說明提到的應用電路僅作為標準使用範例。請根據外圍設施來設計電路並調整參數設置。
 - 本產品內置CMOS IC, 應避免靜電產生而導致的破壞。
 - 注意保證焊接溫度不能超過額定範圍。在焊接過程中或焊接完畢時應避免有外力作用於引腳, 不可重複焊接。
 - 本產品符合歐盟RoHS環保指令。
 - 產品表面的損傷和污染均會影響光電流。
 - 本產品採用微型透明塑膠封裝, 避免在過於潮濕環境中使用。
 - 小包裝1000支, 大包裝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
Lens Color 膠體顏色	Water Clear	Water Clear	Water Clear	Water Clear	Water Clear	Water Clear	Water Clear	Water Clear	Water Clear
Collect Light Current(μA) 光電流 Vdd=5v Ev=10Lux	10	15	30	40	50	60	70	90	145
Dark Current (μA)C-E 暗電流 Vdd=5v Ev=0Lux	< 100μA	< 100μA	< 100μA	< 100μA	< 100μA	< 100μA	< 100μA	< 100μA	< 100μA
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
Response 响应光谱	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 尺寸图	<p>①Emitter ②Collector</p> <p>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>								