









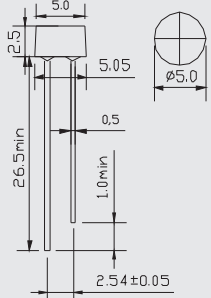
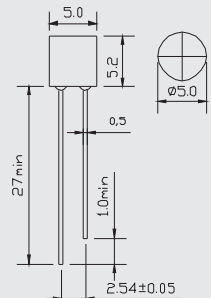
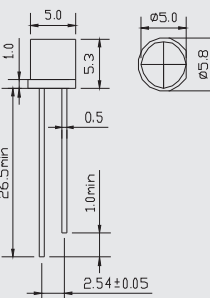
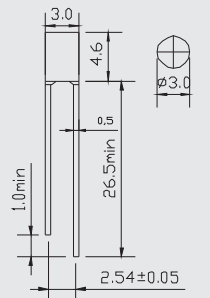
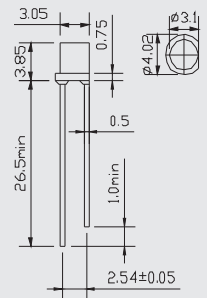
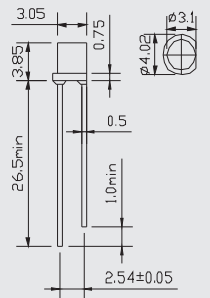
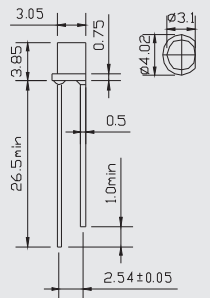
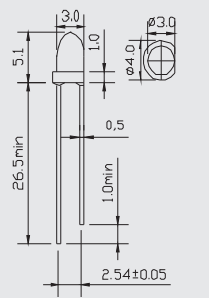
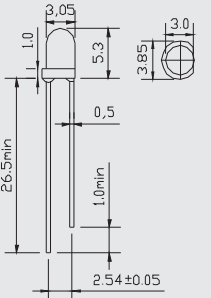
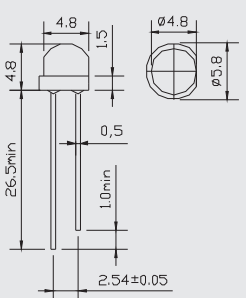


Size 外觀尺寸		Φ5 Flat-Head/平頭			Φ3 Flat-Head /平頭				Φ3 Bullet 子彈頭	Φ3 Flat-Head 圓頭	Φ5 Straw-Hat 草帽
Photo 圖片											
Type 型號		LBCETC1-100	LS06-MΦ5	LS06-R ML	LS06-BΦ3	LS06-SΦ3	LS03-G ML	LLS03-D ML	LS07-AΦ3	LS07-FΦ3	LS06-BΦ5
Dimensions(mm) 膠體尺寸		5.0*2.5	5.0*5.2	5.0*5.3	3.0*4.6	3.1*3.85			3.0*5.1	3.0*5.3	4.8*4.8
Colloid Color 膠體顏色		Water Clear		Blue	Water Clear		Blue	Black	Water Clear		
Light Current(μA) 光電流(典型值)	Vdd=5v Ev=10Lux	100	35	12	60	25	12		100	300	60
Dark Current(μA) 暗電流(典型值)	Vdd=5v Ev=0Lux	<1μA	<0.5μA						<1μA		<0.5μA
C-E breakdown Voltage(V) 擊穿電壓	100μA IB=0	70									
E-C breakdown Voltage(V) 擊穿電壓	100μA IB=0	30									
Spectral Response (nm) 響應光譜		450~1050		450~700	450-1050		450~700		450-1050		
Half Angle 半角度		100°			80°	100°			30°	80°	100°
Dimensions 尺寸圖											

Applications 典型應用






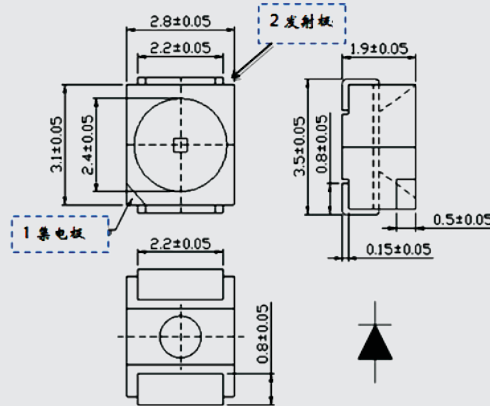
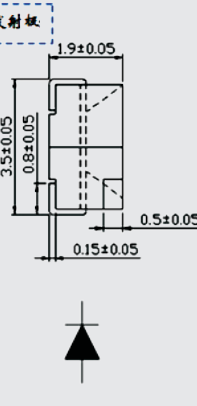
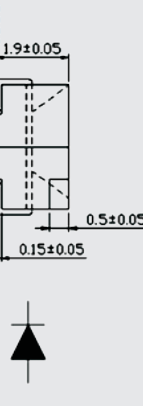
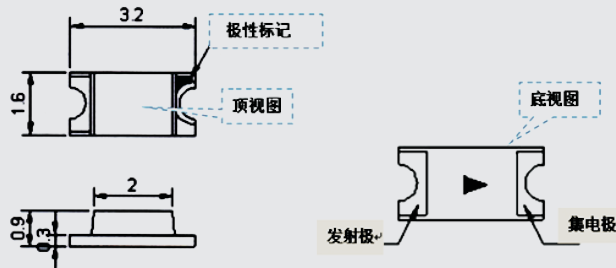
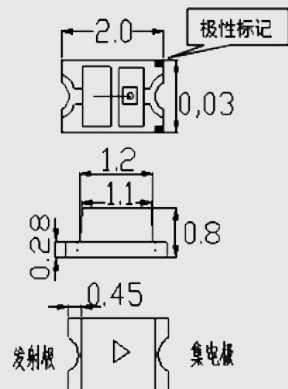
- Replace Photoresistor(LDR). 替代传统光敏电阻
- Control backlight brightness for LCD Monitors, TV sets, PDA, Cameras and Mobile Phones. 自动调节背景光，如：LCD显示器，电视，PDA，照相机和移动电话等
- Switch for Lighting equipments and Toys. 控制家用、商用照明设备以及玩具
- Various infrared detection equipments. 各类红外线检测等设备
- Various security products. 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 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.
- This product is epoxy resin encapsulated and conforms to ROHS environmental protection certification.
- 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。
- 本产品表面的损伤和污染均会影响光电流。
- 本产品为环氧树脂封装，符合RoHS环保认证。
- 小包装1000支，大包装10000支。

Type 型號		3528A-10	3528C-50	3528LS-10	1206-30	0805-20
Photo 圖片						
Dimensions(mm) 膠體尺寸		3.5*2.8			3.2*0.9	2.0*0.8
Colloid Color 膠體顏色		Water Clear			Blue	Water Clear
Light Current(μA) 光電流(典型值)	Vdd=5v Ev=10Lux	8	60	10	30	20
Dark Current(μA) 暗電流(典型值)	Vdd=5v Ev=0Lux	<0.5μA				
C-E breakdown Voltage 擊穿電壓	100μA IB=0	70				
E-Cbreakdown Voltage 擊穿電壓	100μA IB=0	30				
Spectral Response 響應光譜		450-700	450-1050	450-700	450-1050	
Half Angle 半角度		120°				
Dimensions 尺寸圖		<div><div><p>3528A-10</p></div><div><p>3528C-50</p></div><div><p>3528LS-10</p></div><div><p>1206-30</p></div><div><p>0805-20</p></div></div>				