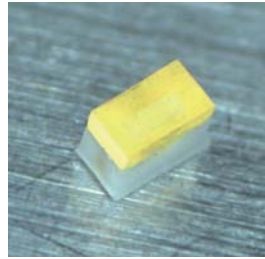
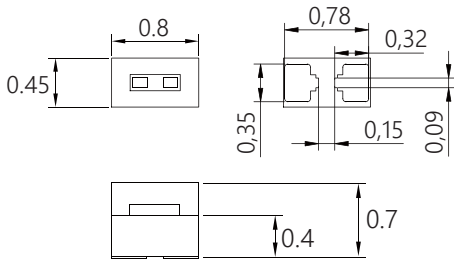
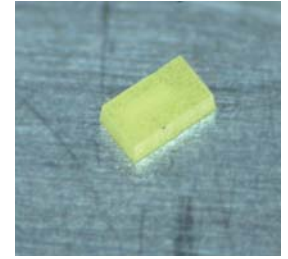
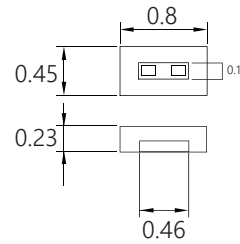


Features

- Feature of the device: small package
- Typical view angle: 130° @ Lambertian Lens
- Typical color temperature: Cool white 5300K
- Package Type: CSP
- Grouping parameter: total luminous flux, color temperature
- Typical optical efficiency: 3 lm@10mA
- Patent case number: 109206029 Case name: High-brightness LED lamp panel structure



Model: EDI-CSP061802



Model: EDI-CSP061801

unit: ±0.2mm

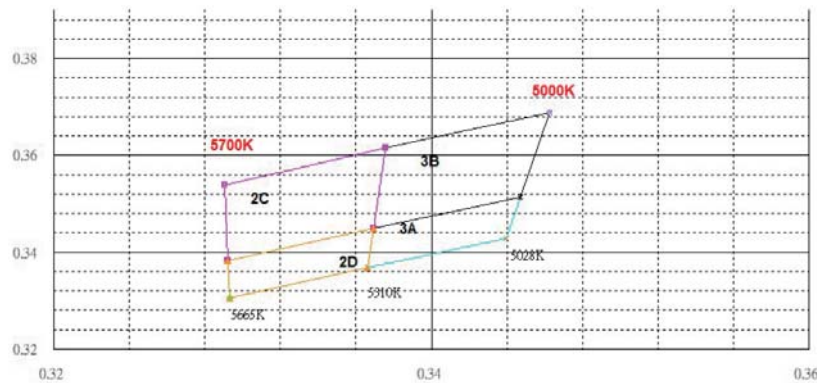
Note:

1. Dimensions are in millimeters.
2. Tolerance: ±0.1 mm
3. Drawings are not in scale.

Materials

Items	Description
Encapsulating Resin	Epoxy gel with phosphor
Chip	Sapphire

Color Bins for White



Color Bins for White

Bin Code	X	Y	CCT(K) Range	Bin Code	X	Y	CCT(K) Range
3A	0.344719	0.351301	5028~5310K	2C	0.337600	0.361600	5310~5665K
	0.336916	0.344873			0.329053	0.353812	
	0.336600	0.336900			0.329231	0.338226	
	0.343985	0.342749			0.336916	0.344873	
3B	0.346260	0.368726	5028~5310K	2D	0.336916	0.344873	5310~5665K
	0.337600	0.361600			0.329231	0.338226	
	0.336916	0.344873			0.329330	0.330539	
	0.344719	0.351301			0.336600	0.336900	

*Tolerance on each Color bin (x , y) is ± 0.01

Absolute Maximum Ratings

Parameter	Cool White
DC Forward Current (mA)	10
Peak Pulsed Forward Current (mA)	30
DC Reverse Voltage (V)	5
LED Junction Temperature (°C)	135
Metal-core PCB Temperature (°C)	75
Storage & Operating Temperature (°C)	-40 ~ +105

Flux Characteristics at 10mA, Junction Temperature, T_j=25°C

Color	CRI	Minimum Luminous Flux (lm)	Typical Luminous Flux (lm)	Lens Type
White	70	3	–	NL=130°

Optical Characteristics at 10mA, Junction Temperature, T_j=25°C

Color	Dominant Wavelength λ_D Peak Wavelength λ_p Color Temperature(CCT)			Spectral Half-width (nm) $\Delta\lambda_{1/2}$	Temperature Coefficient or Dominant Wavelength $\Delta\lambda_D/\Delta T_j$ (nm/°C)
	Min.	Typ.	Max.		
White	5028K	5310K	5665K	–	–

Optical Characteristics at 10mA, Junction Temperature, T_j=25°C

Color	Lens Type	Total Included Angle $\theta_{0.9v}$ (degree)	Viewing Angle $2\theta_{1/2}$ (degree)	Typical Candela on Axis (cd)
White	NL	160	130	

Electrical Characteristics at 100mA, Junction Temperature, T_j=25°C

Color	Forward Voltage V _f (V)			Dynamic Resistance(Ω)	Temperature Coefficient of V _f (mV/°C) $\Delta V_f/\Delta T_j$	Thermal Resistance Junction to Board (°C/W)
	Min.	Typ.	Max.			
White	2.6	2.8	3.0			