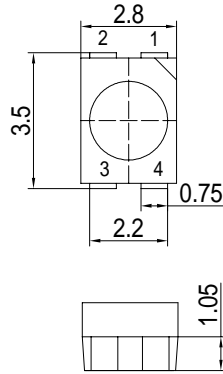


**■Features**

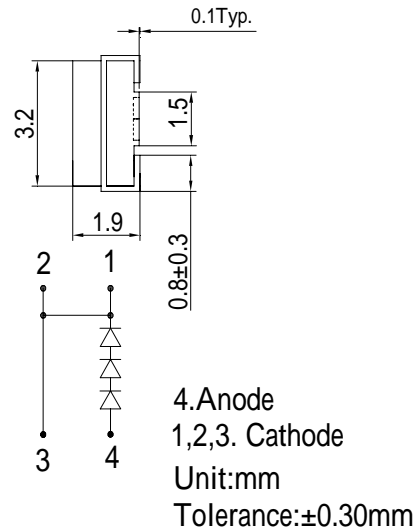
- High Luminous PLCC4 Top SMD LEDs
- 3.5x2.8x1.9mm Standard Directivity
- Long lifetime Operation
- Superior Weather-resistance
- Water Clear Type

**■Applications**

- Backlighting (switches, keys, displays, illuminated advertising etc.)
- Substitution of Micro Incandescent Lamps
- Reading Lamps / Emergency Lighting
- Marker lights (e.g. steps, exit ways, etc.)
- Other Lighting



**■Outline Dimension**



**■Absolute Maximum Rating**

(Ta=25 )

Item	Symbol	Value	Unit
DC Forward Current	I <sub>F</sub>	30	mA
Pulse Forward Current*	I <sub>FP</sub>	100	mA
Reverse Voltage	V <sub>R</sub>	15	V
Power Dissipation	P <sub>D</sub>	324	mW
Operating Temperature	Topr	-30 ~ +85	
Storage Temperature	Tstg	-40~ +100	
Lead Soldering Temperature	Tsol	260 /5sec	-

\*Pulse width Max.10ms Duty ratio max 1/10

**■Electrical -Optical Characteristics**

(Ta=25 )

Item	Symbol	Condition	Min.	Typ.	Max.	Unit
DC Forward Voltage	V <sub>F</sub>	I <sub>F</sub> =20mA	8.7	9.3	10.8	V
DC Reverse Current	I <sub>R</sub>	V <sub>R</sub> =15V	-	-	10	μA
Luminous Flux	v	I <sub>F</sub> =20mA	-	18	-	lm
Luminous Intensity*	I <sub>v</sub>	I <sub>F</sub> =20mA	6000	7400	-	mcd
Color Temperature	CCT	I <sub>F</sub> =20mA	-	3000	-	K
Chromaticity Coordinate*	x	I <sub>F</sub> =20mA	-	0.45	-	
	y	I <sub>F</sub> =20mA	-	0.41	-	
50% Power Angle	2θ <sub>1/2</sub>	I <sub>F</sub> =20mA	-	120	-	deg

\*1 Tolerance of chromaticity coordinate is ±10%

\*2 Tolerance of luminous intensity is ±15%

**■Directivity**

