

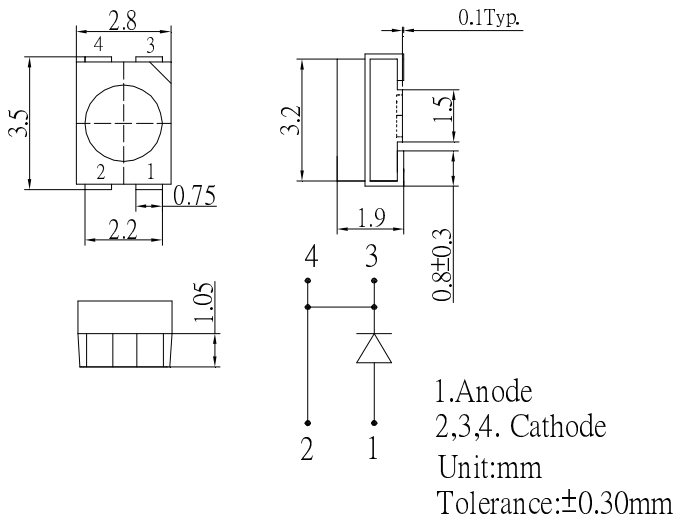
■Features

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

■Applications

- Traffic Signal
- Backlighting
- Signal and channel letter
- Other Lighting

■Outline Dimension



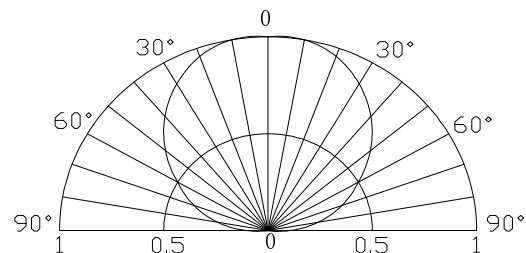
■Absolute Maximum Rating

($T_a = 25^\circ\text{C}$)

Item	Symbol	Value	Unit
DC Forward Current	I_F	50	mA
Pulse Forward Current*	I_{FP}	120	mA
Reverse Voltage	V_R	5	V
Power Dissipation	P_D	130	mW
Operating Temperature	T_{opr}	$-30 \sim +85$	$^\circ\text{C}$
Storage Temperature	T_{stg}	$-40 \sim +100$	$^\circ\text{C}$
Lead Soldering Temperature	T_{sol}	$260^\circ\text{C}/5\text{sec}$	-

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

■Directivity



■Electrical -Optical Characteristics

($T_a = 25^\circ\text{C}$)

Item	Symbol	Condition	Min.	Typ.	Max.	Unit
DC Forward Voltage	V_F	$I_F = 30\text{mA}$	2.0	2.2	2.6	V
DC Reverse Current	I_R	$V_R = 5\text{V}$	-	-	10	μA
Domi. Wavelength*	λ_D	$I_F = 30\text{mA}$	585	590	595	nm
Luminous Intensity*	I_v	$I_F = 30\text{mA}$	1560	2180	-	mcd
50% Power Angle	$2\theta_{1/2}$	$I_F = 30\text{mA}$	-	120	-	deg

*1 Tolerance of dominant wavelength is $\pm 1\text{nm}$

*2 Tolerance of luminous intensity is $\pm 15\%$

■Maximum Forward Current

Maximum Permissible Forward Current $T_j = 115^\circ\text{C}$

