

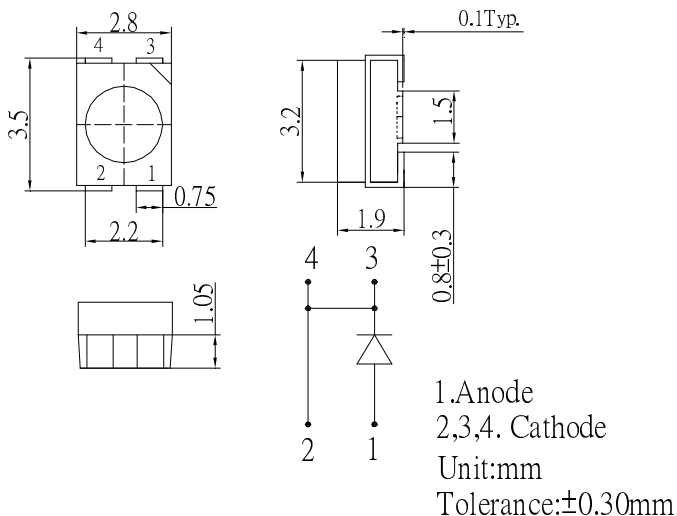
■Features

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

■Applications

- Automotive Dashboard Lighting
- Traffic Signal Lamp
- Back Lighting
- Other Lighting

■Outline Dimension



■Absolute Maximum Rating

(Ta=25°C)

Item	Symbol	Value	Unit
DC Forward Current	I_F	50	mA
Pulse Forward Current*	I_{FP}	100	mA
Reverse Voltage	V_R	5	V
Power Dissipation	P_D	190	mW
Operating Temperature	T_{opr}	-30 ~ +85	°C
Storage Temperature	T_{stg}	-40 ~ +100	°C
Lead Soldering Temperature	T_{sol}	260°C / 5sec	-

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

■Electrical -Optical Characteristics

(Ta=25°C)

Item	Symbol	Condition	Min.	Typ.	Max.	Unit
DC Forward Voltage	V_F	$I_F=50$ mA	3.0	3.3	3.8	V
DC Reverse Current	I_R	$V_R=5$ V	-	-	10	μ A
Luminous Intensity*	I_v	$I_F=50$ mA	3000	4500	-	mcd
Color Temperature	CCT	$I_F=50$ mA	-	10000	-	K
Chromaticity Coordinates*	x	$I_F=50$ mA	-	0.27	-	
	y	$I_F=50$ mA	-	0.28	-	
50% Power Angle	$2\theta_{1/2}$	$I_F=50$ mA	-	120	-	deg

*1 Tolerance of chromaticity coordinates is $\pm 10\%$

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

■Directivity

