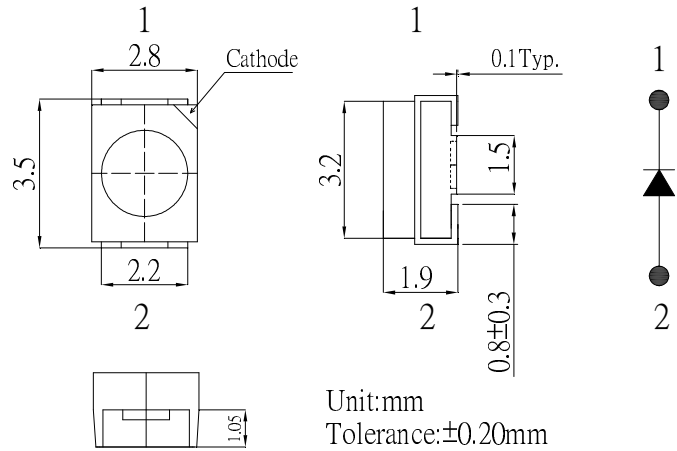OptoSupply

Light It Up

■Features

- High Luminous PLCC2 Top SMD LEDs

- 3.5x2.8x1.9mm Standard Directivity

- Long Lifetime Operation

- Superior Weather-resistance

- UV Resistant Silicone

- Yellow Diffused Type

■Applications

- Automotive Dashboard Lighting

- Traffic Signal Lamp

- Back Lighting

- Other Lighting

■Outline Dimension

Unit:mm
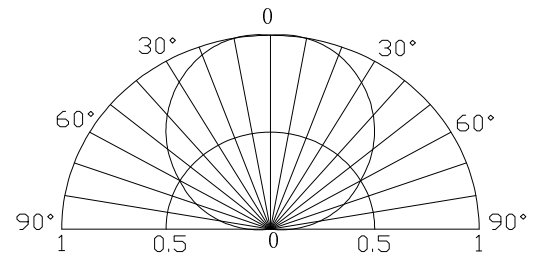Tolerance:±0.20mm
unless otherwise noted

■Absolute Maximum Rating　　　(Ta=25℃)

Item	Symbol	Value	Unit
DC Forward Current	I_F	30	mA
Pulse Forward Current*	I_{FP}	100	mA
Reverse Voltage	V_R	5	V
Power Dissipation	P_D	102	mW
Operating Temperature	Topr	-30 ~ +85	℃
Storage Temperature	Tstg	-40~ +100	℃
Lead Soldering Temperature	Tsol	260℃/10sec	-

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

■Directivity

■Electrical -Optical Characteristics　　(Ta=25℃)

Item	Symbol	Condition	Min.	Typ.	Max.	Unit
DC Forward Voltage	V_F	I_F=20mA	2.7	2.9	3.4	V
DC Reverse Current	I_R	V_R=5V	-	-	10	μA
Luminous Intensity*	Iv	I_F=20mA	1560	2180	-	mcd
Domi. Wavelength*	λ_D	I_F=20mA	-	573	-	nm
Chromaticity Coordinates*	x	I_F=20mA	-	0.46	-	
	y	I_F=20mA	-	0.52	-	
50% Power Angle	$2\theta_{1/2}$	I_F=20mA	-	120	-	deg

*1 Tolerance of measurements of chromaticity coordinates is ±10%
*2 Tolerance of measurements of luminous intensity is ±15%
*3 Tolerance of measurements of forward voltage is ±0.1V

LED & Application Technologies

CNAS IAF ISO 9001: 2008

RoHS Compliant EU 2002/95/EC

REACH The new EU chemicals legislation

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