

SE-SMD5050-ICEB1

SMD 5050 Eisblau

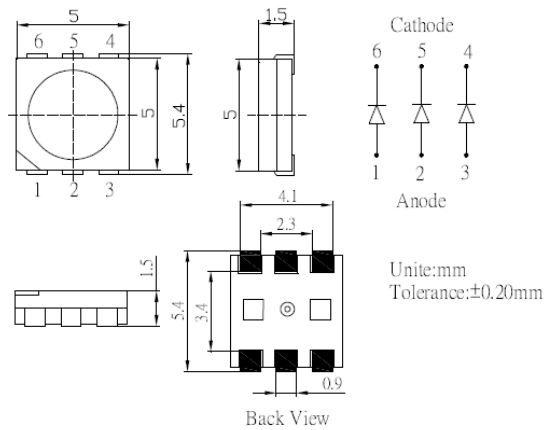
■Features

- High Luminous PLCC6 Top SMD LEDs
- 5.0x5.0x1.5mm Standard Directivity
- Long lifetime Operation
- Superior Weather-resistance
- Green Diffused 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



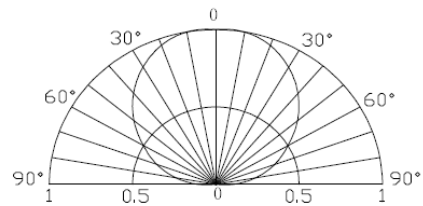
■Absolute Maximum Rating

(Ta=25°C)

Item	Symbol	Value	Unit
DC Forward Current	$I_F$	80	mA
Pulse Forward Current*	$I_{FP}$	120	mA
Reverse Voltage	$V_R$	5	V
Power Dissipation	$P_D$	288	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

■Directivity



■Electrical -Optical Characteristics

(Ta=25°C)

Item	Symbol	Condition	Min.	Typ.	Max.	Unit
DC Forward Voltage	$V_F$	$I_F=60mA$	3.0	3.2	3.6	V
DC Reverse Current	$I_R$	$V_R=5V$	-	-	30	μA
Luminous Flux	$\Phi_v$	$I_F=60mA$	18	21	-	lm
Chromaticity Coordinate*	x	$I_F=60mA$	-	0.19	-	
	y	$I_F=60mA$	-	0.29	-	
50% Power Angle	$2\theta_{1/2}$	$I_F=60mA$	-	120	-	deg

\*1 Tolerance of chromaticity coordinate is ±10%

\*2 Tolerance of luminous intensity is ±15%