

# Winger Electronics WEEBL03-B1S 5mm blue blinking DIP LED



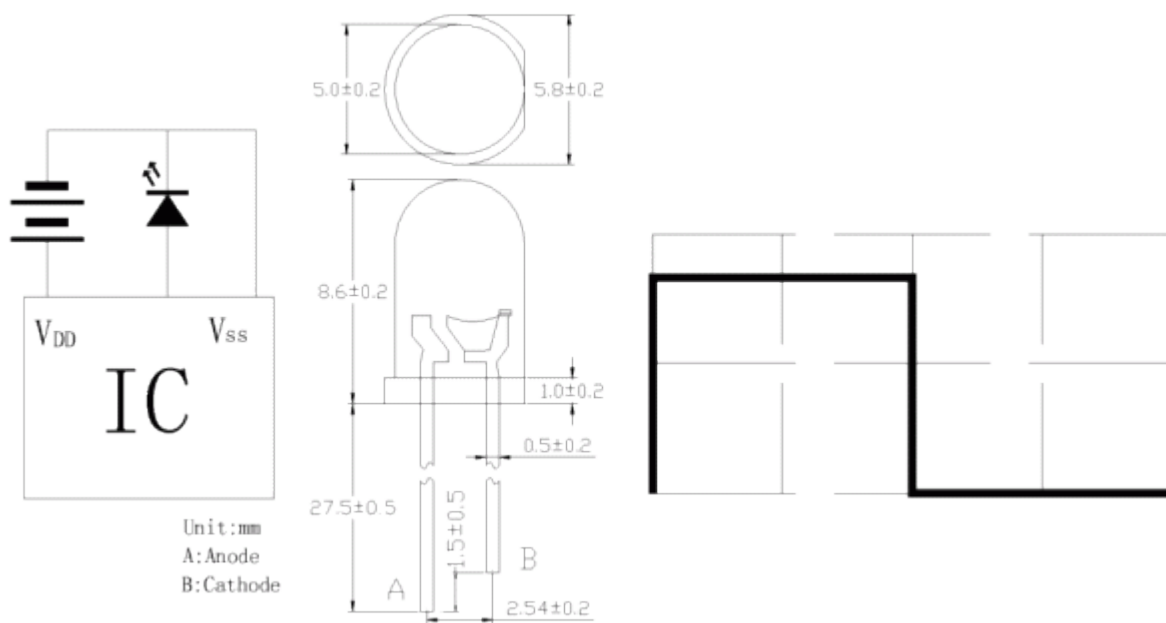
**ATTENTION**  
OBSERVE PRECAUTIONS  
FOR HANDLING  
ELECTROSTATIC  
SENSITIVE DEVICES



## Description

- 5mm DIP LED
- Emitting Color: Blue blinking

## Circuit and Dimensions



## Absolute Maximum Ratings

Item	Symbol	Absolute Maximum Rating	Unit
Forward Current	$I_F$	40	mA
Power Dissipation	$P_O$	150	mW
Operating Temperature	$T_{OPR}$	-20 ~ +80	°C
Storage Temperature	$T_{stg}$	-30 ~ +80	°C
Lead Soldering Temperature	$T_{SOL}$	Max. 5 sec @ 260	°C

\* $I_{FP}$  Conditions: 1/10 Duty Cycle, 0.1ms Puls Width

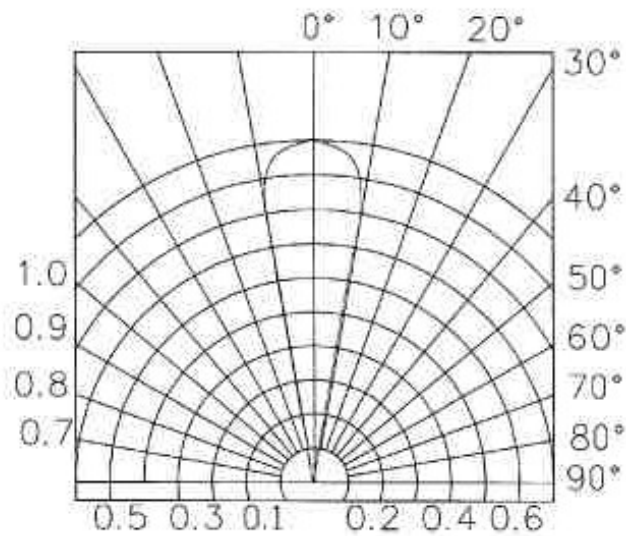
## Typical Optical/Electrical Characteristics

Item	Symbol	Condition	Min.	Typ.	Max.	Unit
Operating Voltage	$V_{DD}$		3	3,3	4,5	V
50% Power Angle			-	20	-	deg
Luminous Intensity	$I_V$		1700	-	3000	mcd
Dominant Wavelength	$\lambda_D$		465	-	470	nm
Color Temperature	$T_C$		-	-	-	K
Flash Frequency	$F$		-	1,5	-	Hz
ON/OFF Ratio	$tc$		-	1:1	-	
Recommended Forward Current	$I_{F(rec)}$		-	-	40	mA

### Notes:

1. It's strongly recommended to limit die temperature to 55°C
2. Absolute maximum ratings  $T_a=25^\circ\text{C}$
3. Measurement Tolerances of Forward Voltage  $\pm 0.1\text{V}$
4. Measurement Tolerances of peak wavelength  $\pm 2.0\text{nm}$
5. Measurement Tolerances of luminous intensity  $\pm 15\%$
6. Measurement Tolerances of angle intensity  $\pm 15\%$

## Spatial Distribution



### 7. Warranty

Perform an acceptance inspection on arrival of the goods. Return the defectives if any stipulating the disqualification and quantity.

Embedding the LEDs into the application and the verification of life and other qualities in practical use shall be executed by user.

Seller shall not bear responsibility for any damages or defects caused by improper operation at the current in excess of the absolute maximum ratings that are not covered by warranty.