

Winger Electronics WEERD02-B1S 5mm red blinking DIP LED



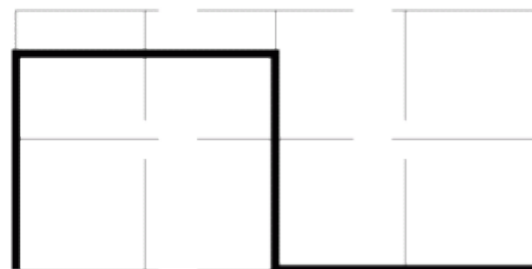
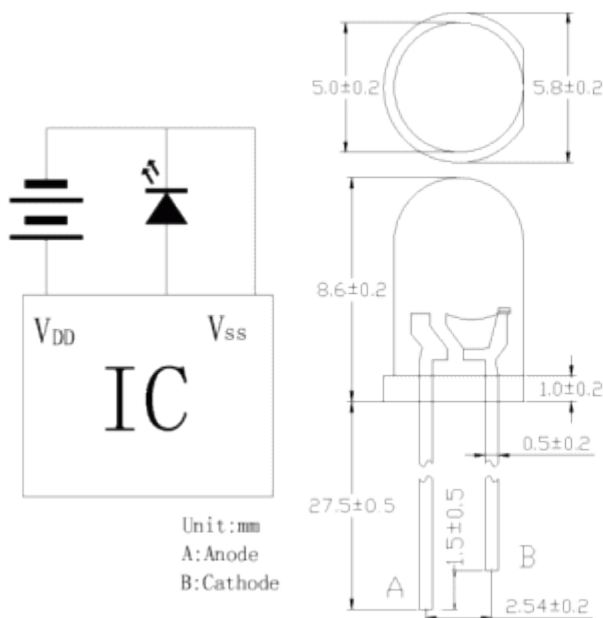
ATTENTION
OBSERVE PRECAUTIONS
FOR HANDLING
ELECTROSTATIC
SENSITIVE DEVICES



Description

- 5mm DIP LED
- Emitting Color: Red 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

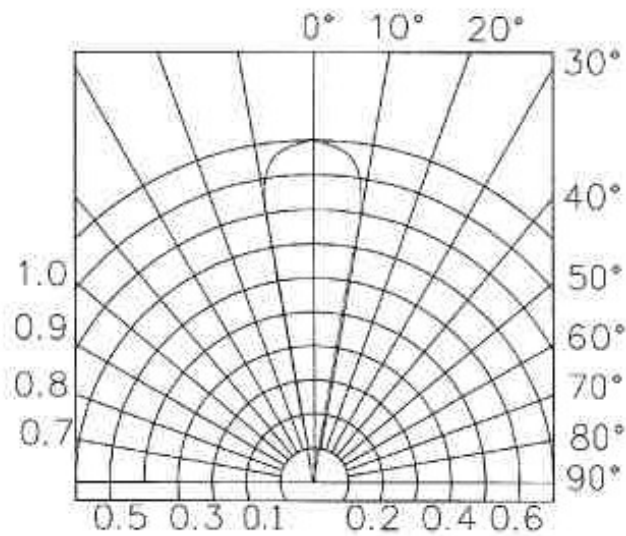
Typical Optical/Electrical Characteristics

Item	Symbol	Condition	Min.	Typ.	Max.	Unit
Operating Voltage	V_{DD}		1,8	2	2,3	V
50% Power Angle			-	20	-	deg
Luminous Intensity	I_V		1500	-	2000	mcd
Dominant Wavelength	λ_D		620	-	630	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.