SOC. COMERCIAL KEIM LTDA

E L E C T R O N I C A I M P O R T A D O R A

RUT:77.444.770-9
10 DE JULIO 1150, SANTIAGO
6713501-6979036
CASAKEIM@CASAKEIM.CL

LED 8MM STRAW HAT LED WSD-S8A120Y2500-01 YELLOW

★ Commodity: 8mm Straw Hat LED

★ Model No: WSD-S8A120Y2500-01

★ Emission Color: Yellow

★ Lens Appearance: Water Clear

★ Quality & Safety Certification: RoHS

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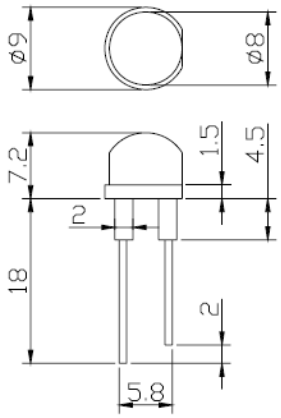
Features

- O. Chip Material: AlGaInP.
- O. Low Power Consumption.
- O. High Efficiency.
- O. Low Current Requirement.

Applications

- O. Backlight.
- O. Traffic Lights.
- O. Lights.
- O. LED Display.
- O. Other Electric Products.

Package Dimensions



Notes

1:All dimensions are in millimeters.

2:Tolerance is ±0.25mm unless otherwise specified.

3:Lead spacing is measured where the leads emerge from the package.

Absolute Maximum Ratings (Ta=25℃)

Parameter	Symbol	Rating	Unit
Power Dissipation	Pd	300	mW
Forward Current	I_F	60	mA
Peak Forward Current*1	I_{FP}	150	mA
Reverse Voltage	V_R	5	V
Operating Temperature Range	Topr	-20~80	℃
Storage Temperature Range	Tstg	-40~85	℃
Soldering Temperature	Tsol	260 (for 5 seconds)	℃
Soldering Distance		>5	MM

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Electrical And Optical Characteristics (Ta=25℃)

Parameter	Symbol	Condition	Min	Typ	Max	Unit
Forward Voltage	V_F	I_F=60mA	1.8	2.0	2.2	V
Luminous Intensity	Iv	I_F=60mA	2000	2500	3000	mcd
Reverse Current	I_R	V_R=5V	-		10	μA
Dominant Wavelength	λ_D	I_F=60mA	585	590	595	nm
Color Temperature	CCT	I_F=60mA				K
Viewing Angle	$2\theta_{1/2}$	I_F=60mA		120		deg

Typical Electro-Optical Characteristics Curves

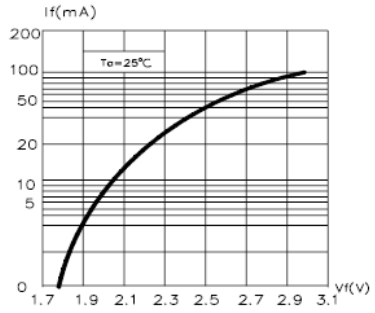

Fig.1 Forward Current vs. Forward Voltage

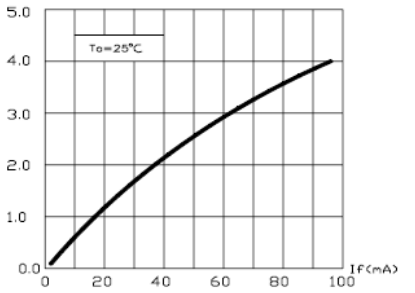

Fig.2 Relative Luminous Intensit vs. Forward Current

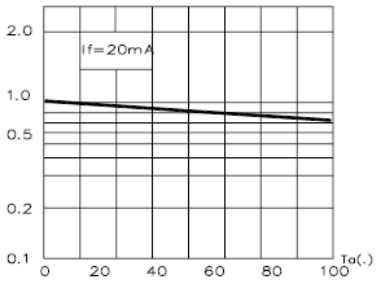

Fig.3 Relative Luminous Intensity vs. Ambient Temperature

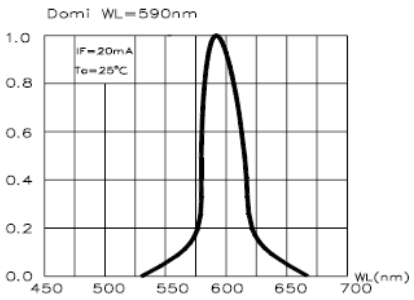

Fig.4 Relative Luminous Flux vs. Wavelength

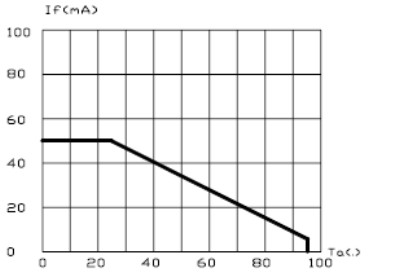

Fig.5 Maximum Forward Current vs. Ambient Temperature

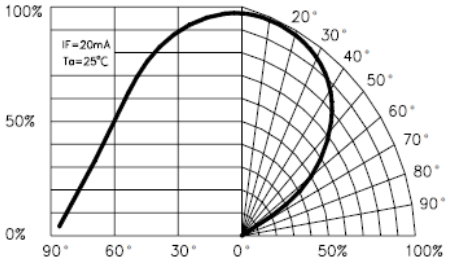

Fig.6 Relative Luminous Intensity vs.Radiation Angle