СВЕТОДИОДЫ BEELED - ТЕХНИЧЕСКОЕ ОПИСАНИЕ

MODEL：9355W2C-HSB-B

Features

- High Flux Output
- Low Profile
- Low Thermal Resistance
- Low Power Consumption
- Pb free

Descriptions

This revolutionary package design allows the light designer to reduce the number of LEDs required and provide a more uniform and unique illuminated appearance than with other LED solutions.This is possible through the efficient optical package design and high-current capabilities

The low profile package can be easily coupled with reflectors or lenses to efficiently distribute light and provide the desired light appearance

Usage Notes:

- The ultra bright LED is an electrostatic insensitive device,so static electricity and surge will damage the LED.It is required to wear a wrist-band when handling the LED. All device, equipment,machinery, desk and ground must be properly grounded
- When using LED, it must use a protective resistor in series with DC current about 20mA

Applications

- Automotive Exterior Lighting
- Electronic Signs and Signals
- Special Lighting application

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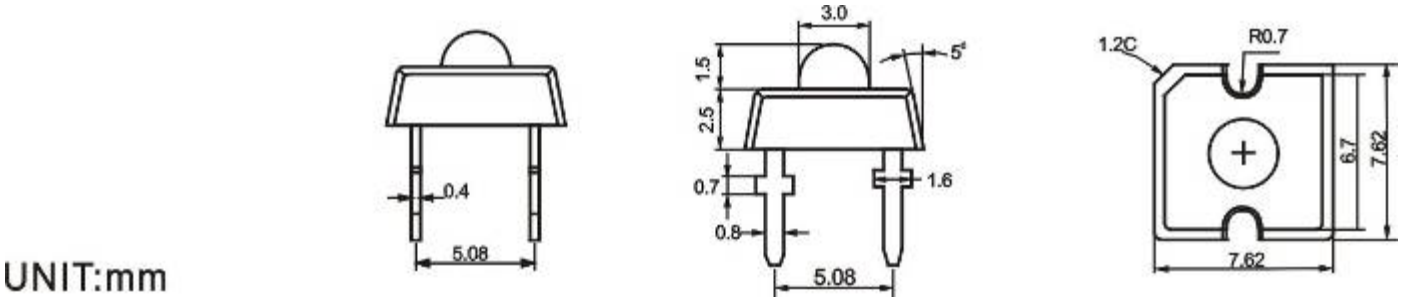
Device Selection Guide

LED Part No.	Chip		Lens Color
	Material	Emitted Color	
9355W2C-HSB-B	InGaN	White	Water clear

Package Dimensions



UNIT:mm

Notes:

- Other dimensions are in millimeters, tolerance is 0.25mm except being specified.
- Protruded resin under flange is 1.5mm Max LED.
- Bare copper alloy is exposed at tie-bar portion after cutting.

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Absolute Maximum Rating (T_a=25℃)

Parameter	Symbol	Absolute Maximum Rating	Unit
Forward Pulse Current	I_{FPM}	70	mA
Forward Current	I_{FM}	30	mA
Reverse Voltage	V_R	5	V
Power Dissipation	P_D	140	mW
Operating Temperature	Topr	-40～+80	℃
Storage Temperature	Tstg	-40～+100	℃
Soldering Heat (5s)	Tsol	260	℃

Electro-Optical Characteristics (T_a=25℃)

Parameter	Symbol	Mix	Typ.	Max.	Unit	Test Condition
Luminous Intensity	Iv	2000	---	2500	mcd	IF=20mA
Viewing Angle	$2\theta_{1/2}$	---	60	---	Deg	(Note 1)
Peak Emission Wavelength	λp	---	---	---	nm	IF=20mA
Spectral Line Half-Width	△λ	25	30	35	nm	IF=20mA
Forward Voltage	V_F	2.9	---	3.5	V	IF=20mA
Reverse Current	I_R	---	---	10	μA	VR=5V

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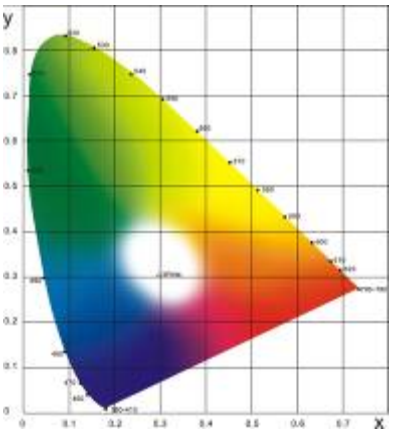
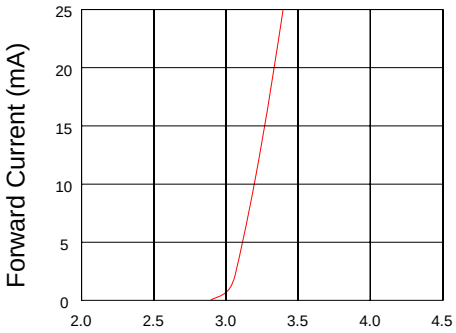
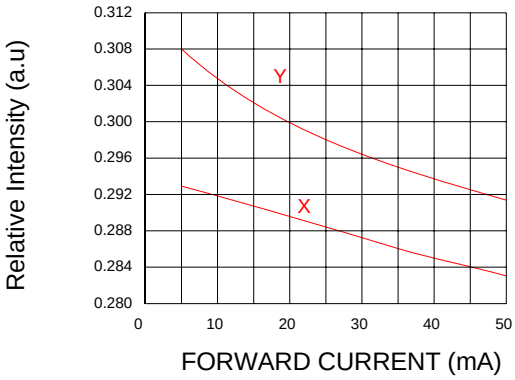
Typical Electro-Optical Characteristics Curves



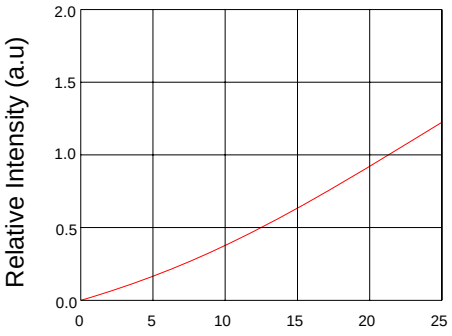
Forward Current VS.Forward Voltage



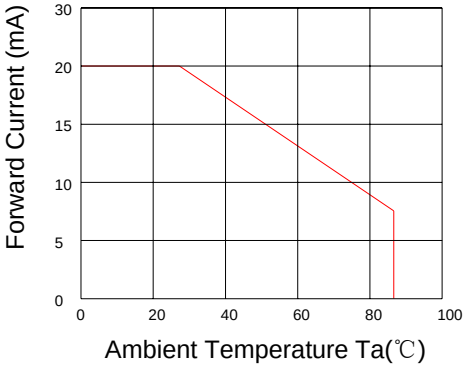
Chromaticity Coordinate vs. Forward Current



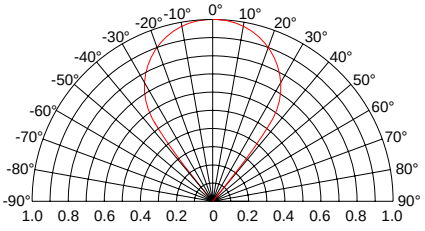
Forward Current VS.Relative Intensity



Forward Current VS.Ambient Temp.



Radiation Characteristics



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