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GHB-3M35-UV

Features

"HIGH PERFORMANCE «SUITABLE FOR AUTOMOTIVE DASHBOARD LIGHTING, WHITE LEDS AND BACKLIGHTING

Description

The source color devices are made with InGaN on SiC Light Emitting Diode.

This device radiates intense ultraviolet (UV) light when operated .Most of the UV light emitted is not visible.

Exposure to UV radiation can be harmful to your health.

Protect your eyes and skin during operation.

Do not look directly at the device during operation. Exposure to UV light ,even for a brief period, can damage

Exposure to UV light ,even for a brief period, can damage your eyes.

Do not operate the device unless you have had proper safety training and take appropriate precautions.

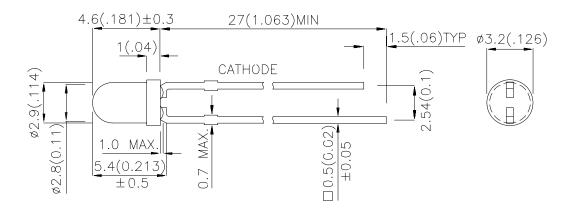
Do not permit children or untrained personnel to operate the device.

Static electricity and surge damage the LEDS.

It is recommended to use a wrist band or anti-electrostatic glove when handling the LEDs.

All devices, equipment and machinery must be electrically grounded.

T-1 (3mm) SOLID STATE LAMP



Notes

- 1. All dimensions are in millimeters (inches).
- 2. Tolerance is 0.25(0.01") unless otherwise noted.
- 3. Lead spacing is measured where the lead emerge package.
- 4. Specifications are subject to change without notice.

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Selection Guide

Part No.	Dice	Lens Type	lv (mcd) @ 20mA		Viewing Angle
			Min.	Тур.	2 1/2
GHB-3M35-UV	ULTRAVIOLET (InGaN)	WATER CLEAR	50	90	34

Electrical / Optical Characteristics at TA=25°C

Symbol	Parameter	Device	Тур.	Max.	Units	Test Conditions
peak	Peak Wavelength	Ultraviolet	400		nm	IF=20mA
D	Dominate Wavelength	Ultraviolet	395		nm	IF=20mA
1/2	Spectral Line Half-width	Ultraviolet	26		nm	IF=20mA
С	Capacitance	Ultraviolet	30		pF	VF=0V;f=1MHz
VF	Forward Voltage	Ultraviolet	3.8	4.2	V	IF=20mA
IR	Reverse Current	Ultraviolet		10	uA	VR = 5V

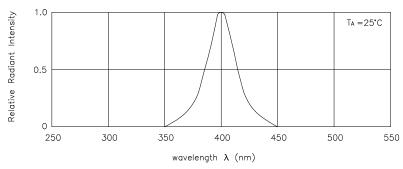
Absolute Maximum Ratings at TA=25°C

Parameter	Ultraviolet	Units	
Power dissipation	100	mW	
DC Forward Current	30	mA	
Peak Forward Current [1]	100	mA	
Reverse Voltage	5	V	
Operating/Storage Temperature	-40°C To +85°C		
Lead Solder Temperature [2]	260°C For 5 Seconds		

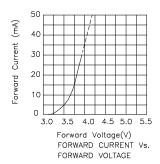
- 1. 1/10 Duty Cycle, 0.1ms Pulse Width.
 2. 2mm below package base.

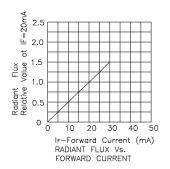
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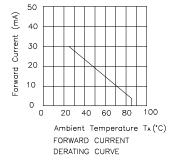
Note:
1. 1/2 is the angle from optical centerline where the luminous intensity is 1/2 the optical centerline value.

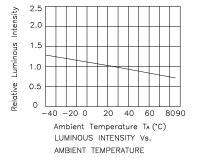


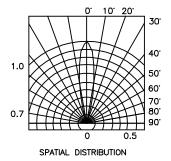
RELATIVE INTENSITY Vs. WAVELENGTH











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