



## Selection Guide

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

Note:

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

## Electrical / Optical Characteristics at T<sub>A</sub>=25°C

Symbol	Parameter	Device	Typ.	Max.	Units	Test Conditions
peak	Peak Wavelength	Ultraviolet	400		nm	I <sub>F</sub> =20mA
D	Dominant Wavelength	Ultraviolet	395		nm	I <sub>F</sub> =20mA
1/2	Spectral Line Half-width	Ultraviolet	26		nm	I <sub>F</sub> =20mA
C	Capacitance	Ultraviolet	30		pF	V <sub>F</sub> =0V;f=1MHz
V <sub>F</sub>	Forward Voltage	Ultraviolet	3.8	4.2	V	I <sub>F</sub> =20mA
I <sub>R</sub>	Reverse Current	Ultraviolet		10	μA	V <sub>R</sub> = 5V

## Absolute Maximum Ratings at T<sub>A</sub>=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	

Notes:

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

