

# L200CUV370-12D

## Ultra Violet

5mm, Flanged Cylindrical, 8.7mm Height  
16° viewing angle

DWG BY:  
HI / GP  
11-26-12

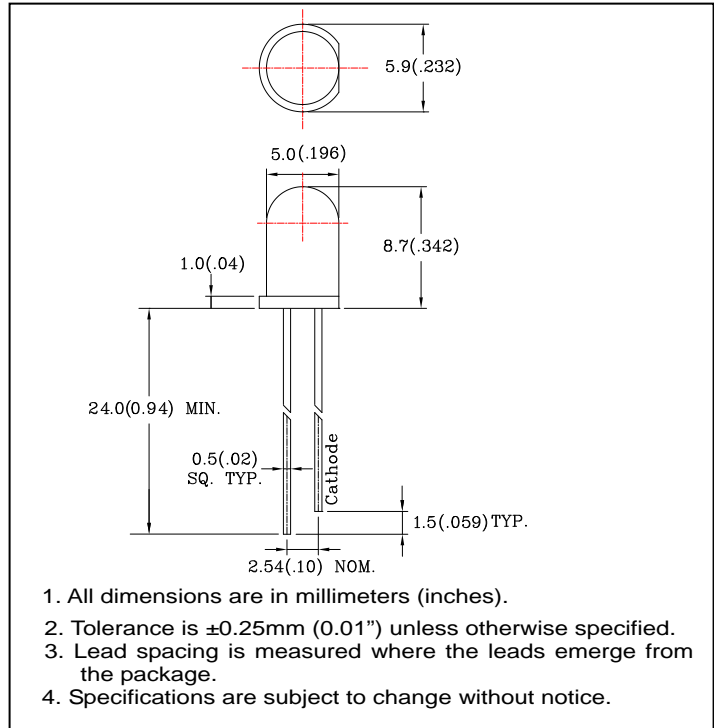
CHK BY:  
PL  
11-29-12

REVISION LTR: -  
11-26-12

● **Features:**

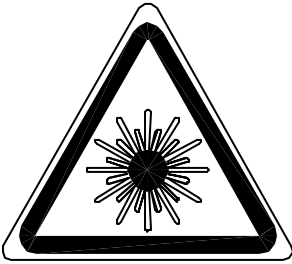
1. Chip material: GaN / SiC
2. Emitted color : Ultra Violet
3. Lens Appearance : Transparent
4. Low power consumption.
5. High efficiency.
6. Versatile mounting on P.C. Board or panel.
7. Low current requirement.
8. 5mm diameter package

● **Package dimensions**



● **Applications:**

1. TV set
2. Monitor
3. Telephone
4. Computer
5. Circuit board



! CAUTION

- This UV LED during operation radiates intense UV light.
- Do not look directly into the UV light during operation of device. This can be harmful to the eyes even for brief period due to the intense UV light.
- If viewing the UV light is necessary, please use UV filtered glasses to avoid damage by the UV light.
- If the UV LED in your product might be viewed directly, please affix a caution label to your product to that effect.

Avoid direct eye exposure to UV light.  
Keep out of reach of children.

● **Absolute maximum ratings(Ta=25°C)**

Parameter	Symbol	Rating	Unit
Power Dissipation	Pd	6-8	mW
Forward Current	I <sub>F</sub>	20	mA
Peak Forward Current* <sup>1</sup>	I <sub>FP</sub>	100	mA
Reverse Voltage	V <sub>R</sub>	5	V
Operating Temperature	Topr	-40°C~80°C	
Storage Temperature	Tstg	-40°C~85°C	
Soldering Temperature	Tsol	290~310°C (for 5 seconds)	

\*<sup>1</sup>Condition for I<sub>FP</sub> is pulse of 1/10 duty and 0.1msec width.

● **Electrical and optical characteristics(Ta=25°C)**

Parameter	Symbol	Condition	Min.	Typ.	Max.	Unit
Forward Voltage	V <sub>F</sub>	I <sub>F</sub> =20mA	-	3.6	4.0	V
Luminous Intensity	I <sub>v</sub>	I <sub>F</sub> =20mA	-	190	-	mcd
Reverse Current	I <sub>R</sub>	V <sub>R</sub> =5V	-	-	100	μA
Peak Wave Length	λ <sub>p</sub>	I <sub>F</sub> =20mA	-	378	-	nm
Dominant Wave Length	λ <sub>d</sub>	I <sub>F</sub> =20mA	-	460	-	nm
Spectral Line Half-width	Δλ	I <sub>F</sub> =20mA	-	13	-	nm
Viewing Angle	2θ <sub>1/2</sub>	I <sub>F</sub> =20mA	-	16	-	deg
Radiant Intensity		I <sub>F</sub> =20mA	-	45	-	mW/sr
Chromaticity Coordinates	X	I <sub>F</sub> =20mA	-	0.216	-	
	Y		-	0.160	-	