

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

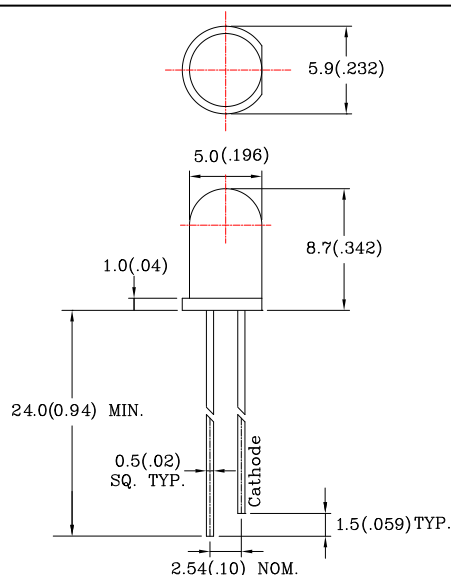
● Features:

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

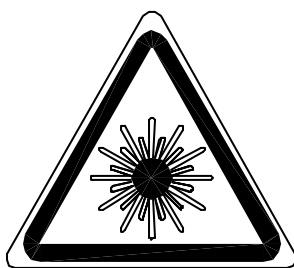
● Applications:

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

● Package dimensions



1. All dimensions are in millimeters (inches).
2. Tolerance is $\pm 0.25\text{mm}$ (0.01") unless otherwise specified.
3. Lead spacing is measured where the leads emerge from the package.
4. Specifications are subject to change without notice.



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 _F	20	mA
Peak Forward Current* ¹	I _{FP}	100	mA
Reverse Voltage	V _R	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)	

*¹Condition for I_{FP} 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 _F	I _F =20mA	-	3.6	4.0	V
Luminous Intensity	I _v	I _F =20mA	-	190	-	mcd
Reverse Current	I _R	V _R =5V	-	-	100	μA
Peak Wave Length	λ _p	I _F =20mA	-	378	-	nm
Dominant Wave Length	λ _d	I _F =20mA	-	460	-	nm
Spectral Line Half-width	Δλ	I _F =20mA	-	13	-	nm
Viewing Angle	2θ _{1/2}	I _F =20mA	-	16	-	deg
Radiant Intensity		I _F =20mA	-	45	-	mW/sr
Chromaticity Coordinates	X	I _F =20mA	-	0.216	-	
	Y		-	0.160	-	