LEDTRONICS, INC.®

23105 Kashiwa Court, Torrance, CA 90505
Phone: (800) 579-4875 or (310) 534-1505 Fax: (310) 534-1424
E-mail: webmaster@ledtronics.com
Website: http://www.ledtronics.com

L200CWG1KB-15D

Super Green

5mm, Flanged Cylindrical, 8.6mm Height
12° viewing angle

DWG BY: BL / MM 03-06-07
CHK BY: PL 05-07-09
REVISION LTR: - 05-06-09

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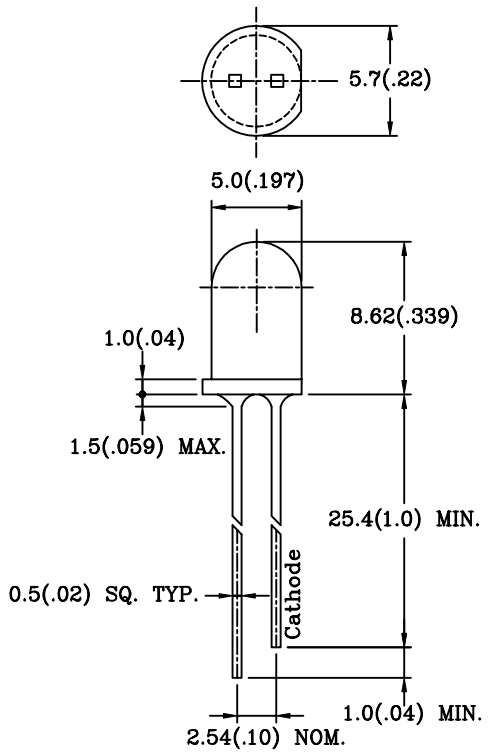
● Features:

1. Chip material: AlGaInP/GaAs
2. Emitted color : Super Green
3. Lens Appearance : water clear
4. Low power consumption.
5. High efficiency.
6. Versatile mounting on P.C. Board or panel.
7. Low current requirement.
8. T-1 3/4 type package
9. This product is RoHS compliant.

● Applications:

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

●Package dimensions:



Notes:

1. All dimensions are in millimeters (inches).
2. Tolerance is ±0.25mm (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.

● Absolute Maximum Ratings(Ta=25℃)

Parameter	Symbol	Rating	Unit
Power Dissipation	Pd	110	mW
Forward Current	I_F	30	mA
Peak Forward Current*[1]	I_{FP}	150	mA
Reverse Voltage	V_R	5	V
Operating Temperature	Topr	-40℃~80℃	
Storage Temperature	Tstg	-40℃~85℃	
Soldering Temperature	Tsol	260℃(for 5 seconds)	

*[1]Condition for $I_{FP}$is pulse of 1/10 duty and 0.1msec width.

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● Electrical and optical characteristics(Ta=25℃)

Parameter	Symbol	Condition	Min.	Typ.	Max.	Unit
Forward Voltage	V_F	I_F=20mA	-	2.0	2.6	V
Luminous Intensity	Iv	I_F=20mA	-	2600	-	mcd
Reverse Current	I_R	V_R=5V	-	-	100	μA
Peak Wave Length	λp	I_F=20mA	571	573	579	nm
Dominant Wave Length	λd	I_F=20mA	570	571	579	nm
Spectral Line Half-width	Δλ	I_F=20mA	-	17	-	nm
Viewing Angle	$2\theta_{1/2}$	I_F=20mA	-	12	-	deg
Radiant Intensity		I_F=20mA	-	4000	-	μW/sr
Chromaticity Coordinates	X	I_F=20mA	-	0.45	-	
	Y		-	0.54	-	

● Typical electro-optical characteristics curves