

L200TWYG4B

Yellow/Hi-Eff Green

5mm, Flanged Cylindrical, 8.6mm Height

45° viewing angle

DWG BY:

BL / GP

10-17-06

CHK BY:

PL

10-20-06

QA:

10-__-06

MFG:

__-__-__

REVISION LTR: -

10-17-06

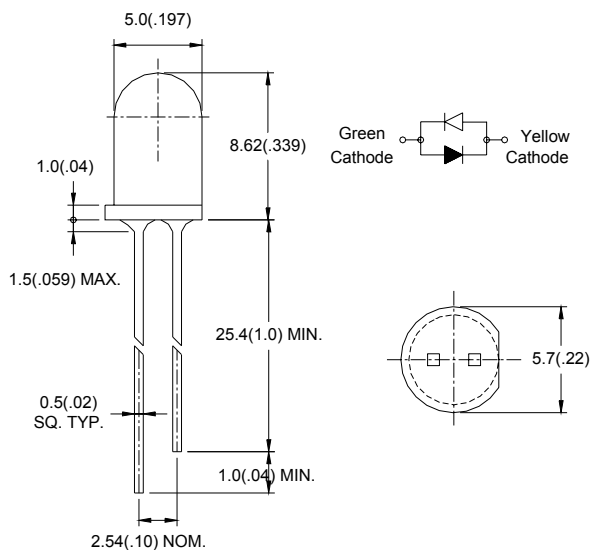
● Features:

1. Chip material: GaAsP/GaP(Yellow)
and GaP/GaP(Green)
2. Emitted color : Yellow and Green
3. Lens Appearance : White Diffused
4. Low power consumption.
5. High efficiency.
6. Versatile mounting on P.C. Board or panel.
7. Low current requirement.
8. 5mm diameter 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 $\pm 0.25\text{mm}$ (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.

● Absolute Maximum Ratings(Ta=25°C)

Parameter	Symbol	Yellow	Green	Unit
Power Dissipation	Pd	80	80	mW
Forward Current	I _F	30	30	mA
Peak Forward Current* ¹	I _{FP}	150	150	mA
Operating Temperature	Topr	-40°C~80°C		
Storage Temperature	Tstg	-40°C~85°C		
Soldering Temperature	Tsol	260°C (for 5 seconds)		

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

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

Parameter	Symbol	Condition	Color	Min.	Typ.	Max.	Unit
Forward Voltage	V _F	I _F =20mA	Yellow Green	-	2.1 2.2	2.6 2.6	V
Luminous Intensity	I _v	I _F =20mA	Yellow Green	-	10 18	-	mcd
Reverse Current	I _R	V _R =5V	Yellow Green	-	-	100	μA
Peak Wave Length	λ _p	I _F =20mA	Yellow Green	-	587 565	-	nm
Dominant Wave Length	λ _d	I _F =20mA	Yellow Green	- -	588 571	- -	nm
Spectral Line Half-width	Δλ	I _F =20mA	Yellow Green	-	36 30	-	nm
Viewing Angle	2θ _{1/2}	I _F =20mA	Yellow Green	-	45	-	deg
Chromaticity Coordinates	X	I _F =20mA	Yellow	-	0.56	-	
	Y				0.43		
Chromaticity Coordinates	X	I _F =20mA	Green	-	0.45	-	
	Y				0.54		

● **Typical Electro-Optical Characteristics Curves**

