

L200CWY5B

Yellow

5mm, Flanged Cylindrical, 8.6mm Height
20° viewing angle

DWG BY:
BL / GP
09-11-07

CHK BY:
PL
09-11-07

QA:

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MFG:

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REVISION LTR: -

09-11-07

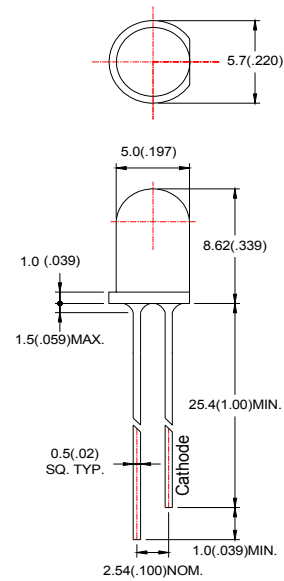
● **Features:**

1. Chip material: GaAsP/GaP
2. Emitted color : yellow
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

● **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	Rating	Unit
Power Dissipation	Pd	80	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°C~80°C	
Storage Temperature	Tstg	-40°C~85°C	
Soldering Temperature	Tsol	260°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	-	2.1	2.8	V
Luminous Intensity	I _v	I _F =20mA	-	180	-	mcd
Reverse Current	I _R	V _R =5V	-	-	100	μA
Peak Wave Length	λ _p	I _F =20mA	-	582	-	nm
Dominant Wave Length	λ _d	I _F =20mA	-	585	-	nm
Spectral Line Half-width	Δλ	I _F =20mA	-	36	-	nm
Viewing Angle	2θ _{1/2}	I _F =20mA	-	20	-	deg
Radiant Intensity		I _F =20mA	-	-	-	mW/sr
Chromaticity Coordinates	X	I _F =20mA	-	0.55	-	
	Y		-	0.44	-	

● **Typical electro-optical characteristics curves**

