

L200TWRGB1K-4C-IL

Super Red/Aqua Green/Blue

5mm, Flanged Cylindrical, 7.7mm Height

55° viewing angle

DWG BY:

BL / GP

11-10-06

CHK BY:

PL

09-30-08

QA:

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MFG:

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REVISION LTR: -

09-30-08

● Features:

1. Chip material: AlInGaN (Green)
 and AlInGaN (Blue)
 and AlGaInP/GaAs (Orange)
2. Emitted color :Green and Super Blue
 and Super Orange
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. T-1 3/4 type package.
9. This product is RoHS compliant.

● Applications:

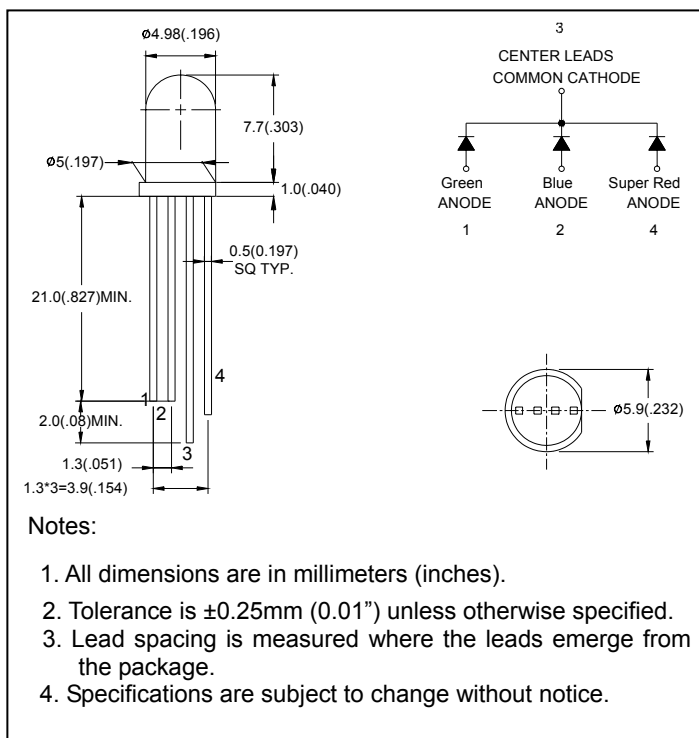
1. TV set
2. Monitor
3. Telephone
4. Computer
5. Circuit board

● Absolute Maximum Ratings(Ta=25°C)

Parameter	Symbol	Green	Super Blue	Super Orange	Unit
Power Dissipation	Pd	120	120	100	mW
Forward Current	I _F	30	30	30	mA
Peak Forward Current ^{*1}	I _{FP}	150	150	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)			

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

● Package dimensions:



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

Parameter	Symbol	Condition	Color	Min.	Typ.	Max.	Unit
Forward Voltage	V _F	I _F =20mA	Green Blue Red	-	3.1 3.2 2.0	4.0 4.0 2.6	V
Luminous Intensity	I _v	I _F =20mA	Green Blue Red	-	3200 550 800	-	mcd
Reverse Current	I _R	V _R =5V	Green Blue Red	-	-	100	μA
Peak Wave Length	λ _p	I _F =20mA	Green Blue Red	-	518 463 630	-	nm
Dominant Wave Length	λ _d	I _F =20mA	Green Blue Red	- - -	525 468 622	- - -	nm
Spectral Line Half-width	Δλ	I _F =20mA	Green Blue Red	-	32 25 17	-	nm
Viewing Angle	2θ _{1/2}	I _F =20mA	Green Blue Red	-	55 55 55	-	deg
Radiant Intensity		I _F =20mA	Green Blue Red	-	6900 7900 4200	-	μW/sr
Chromaticity Coordinates	X	I _F =20mA	Green	-	.15	-	
	Y				.72		
Chromaticity Coordinates	X	I _F =20mA	Blue	-	.13	-	
	Y				.06		
Chromaticity Coordinates	X	I _F =20mA	Red	-	.69	-	
	Y				.30		

● **Typical Electro-Optical Characteristics Curves**

