



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

L200TWGR4A

Hi-Eff Green/Super Red

(5mm) Flanged Cylindrical; 8.6mm Height

50° viewing angle

DWG BY:
BL / GP / HF
05-24-07

R&D:
UF
05-12-22

QA:
SB
05-13-22

MFG:
LD
05-13-22

REVISION LTR: A
ECR#: 050522-UF01
05-05-22

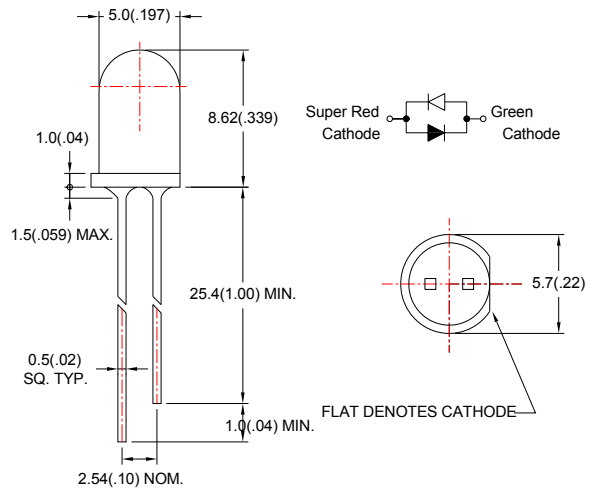
● Features:

1. Chip material: GaP/GaP(Green) and GaAlAs/GaAs(Super Red)
2. Emitted color : Green and Super Red
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($T_a=25^\circ\text{C}$)

Parameter	Symbol	Green	Super Red	Unit
Power Dissipation	P_d	80	80	mW
Forward Current	I_F	30	30	mA
Peak Forward Current ^{*1}	I_{FP}	150	150	mA
Reverse Voltage	V_R	5		V
Operating Temperature	T_{opr}	$-40^\circ\text{C} \sim 80^\circ\text{C}$		
Storage Temperature	T_{stg}	$-40^\circ\text{C} \sim 85^\circ\text{C}$		
Soldering Temperature	T_{sol}	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	Hi-Eff Green Super Red	-	2.2 1.8	2.6 2.6	V
Luminous Intensity	I _v	I _F =20mA	Hi-Eff Green Super Red	-	30 275	-	mcd
Reverse Current	I _R	V _R =5V	Hi-Eff Green Super Red	-	-	100	μA
Peak Wave Length	λ _p	I _F =20mA	Hi-Eff Green Super Red	- -	565 637	- -	nm
Dominant Wave Length	λ _d	I _F =20mA	Hi-Eff Green Super Red	- -	570 642	- -	nm
Spectral Line Half-width	Δλ	I _F =20mA	Hi-Eff Green Super Red	-	30 24	-	nm
Viewing Angle	2θ _{1/2}	I _F =20mA	Hi-Eff Green Super Red	-	50	-	deg
Chromaticity Coordinates	X	I _F =20mA	Hi-Eff Green	-	0.44	-	
	Y				0.55		
Chromaticity Coordinates	X	I _F =20mA	Super Red	-	0.72	-	
	Y				0.28		

● Typical Electro-Optical Characteristics Curves

