

LD190CG4
Hi-Eff Green
4.8mm, Domed, 7.5mm Height
25° viewing angle

DWG BY:
BL / GP
02-15-07

CHK BY:
PL
10-17-08

REVISION LTR: -

10-15-08

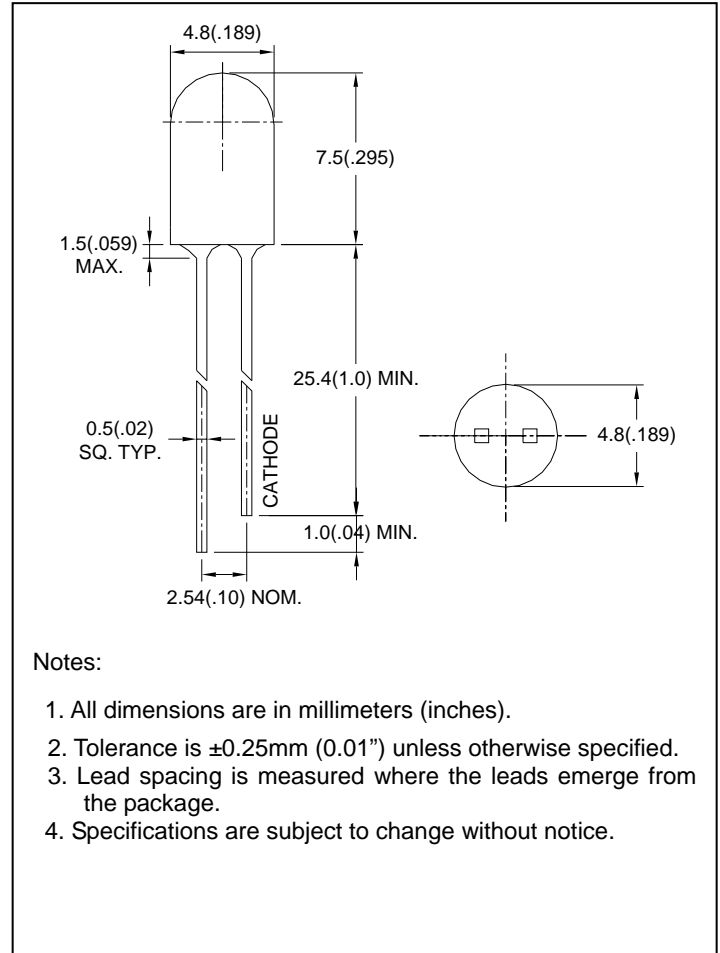
● **Features:**

1. Chip material: GaP /GaP
2. Emitted color : Green.
3. Lens Appearance : Green Trans
4. Low power consumption.
5. High efficiency.
6. Versatile mounting on P.C. Board or panel.
7. Low current requirement.
8. 4.8mm diameter package.
9. This product is RoHS compliant.

● **Applications:**

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

● **Package dimensions**



● **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	-	2.2	2.6	V
Luminous Intensity	I _v	I _F =20mA	-	200	-	mcd
Reverse Current	I _R	V _R =5V	-	-	100	μA
Peak Wave Length	λ _p	I _F =20mA	-	563	-	nm
Dominant Wave Length	λ _d	I _F =20mA	565	568	574	nm
Spectral Line Half-width	Δλ	I _F =20mA	-	29	-	nm
Viewing Angle	2θ _{1/2}	I _F =20mA	-	25	-	deg
Radiant Intensity		I _F =20mA	-	-	-	μW/sr
Chromaticity Coordinates	X	I _F =20mA	-	0.43	-	
	Y		-	0.56	-	

● **Typical Electro-Optical Characteristics Curves**

