

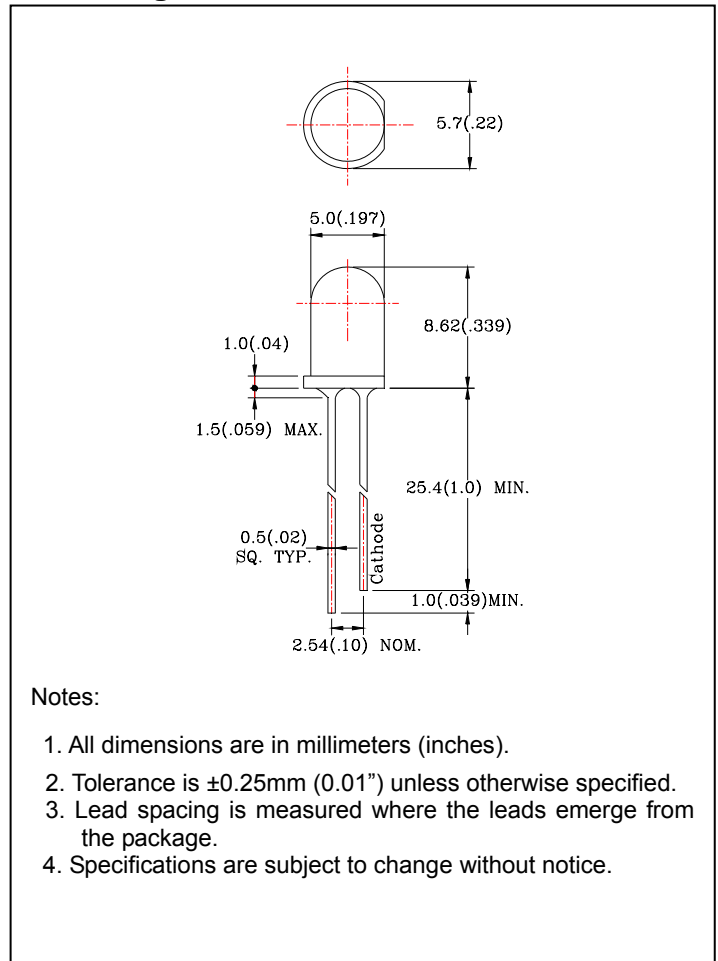
● Features:

1. Chip material: GaAsP/GaP
2. Emitted color : Yellow
3. Lens Appearance : Yellow 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 don't contained restriction substance, compliance ROHS standard.

● 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	VF	IF=20mA	-	2.1	2.6	V
Luminous Intensity	Iv	IF=20mA	-	70	-	mcd
Reverse Current	IR	VR=5V	-	-	100	μA
Peak Wave Length	λ p	IF=20mA	-	585	-	nm
Dominant Wave Length	λ d	IF=20mA	582	-	595	nm
Spectral Line Half-width	Δ λ	IF=20mA	-	35	-	nm
Viewing Angle	2θ1/2	IF=20mA	-	35	-	deg

● Typical Electro-Optical Characteristics Curves

Fig.1 Relative intensity vs. Wavelength

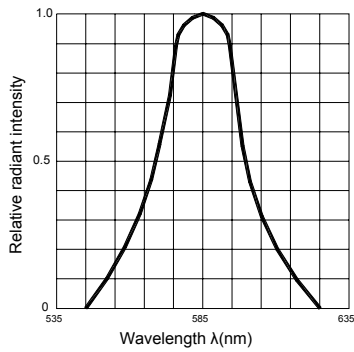


Fig.2 Forward current derating curve vs. Ambient temperature

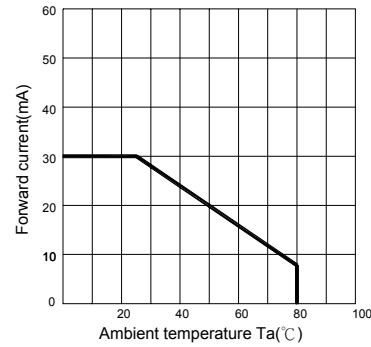


Fig.3 Forward current vs. Forward voltage

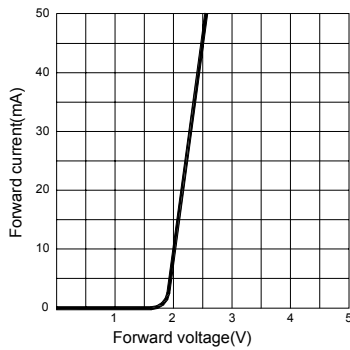


Fig.4 Relative luminous intensity vs. Ambient temperature

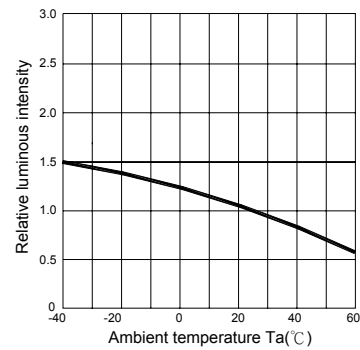


Fig.5 Relative luminous intensity vs. Forward current

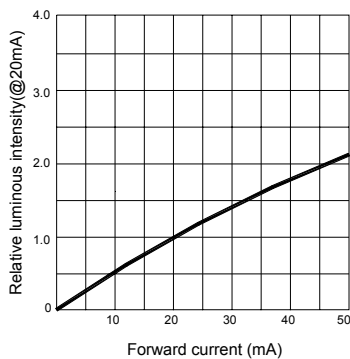
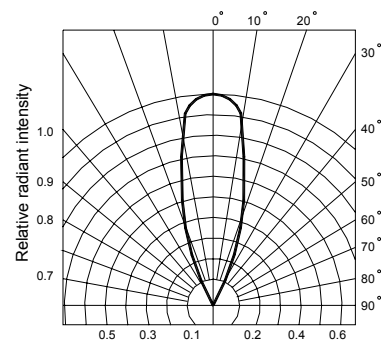


Fig.6 Radiation diagram



● **Bin Limits**

1. Intensity Bin Limits (At $I_F=20\text{mA}$)

Bin Code	Min. (mcd)	Max. (mcd)
:	:	:
M	24	48
N	37	72
P	55	110
Q	82	160
R	120	240
:	:	:

2. Color Bin Limits (At $I_F=20\text{mA}$) : Dominant Wave Length $\lambda_d(\text{nm})$

Bin Code	Min. (nm)	Max. (nm)
2	581	585
3	583	587
4	585	589
5	587	591
6	589	593
7	591	595
8	593	597

3. V_F Bin Limits (At $I_F=20\text{mA}$)

Bin Code	Min. (v)	Max. (v)
B	1.75	2.05
C	1.95	2.25
D	2.15	2.45
E	2.35	2.65

