

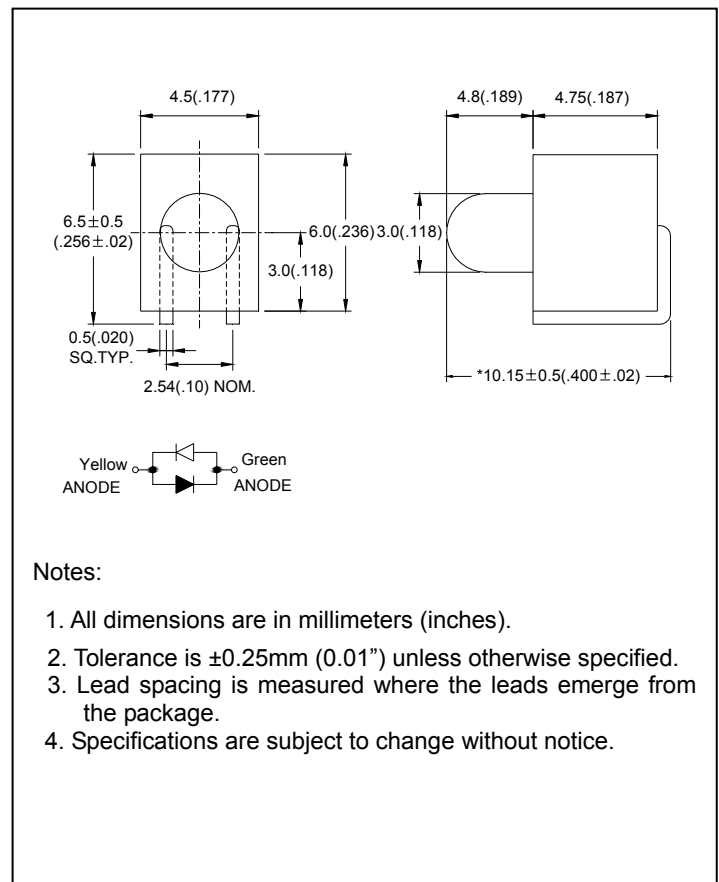
● Features:

1. Chip material: GaAsP/GaP (Yellow)
and GaP/GaP(Green)
2. Emitted color : Yellow and Green
3. Lens Appearance : White Diffused
4. General purpose leads.
5. Low power consumption.
6. Compatible/ low current requirements
7. Reliable and rugged.
8. 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)

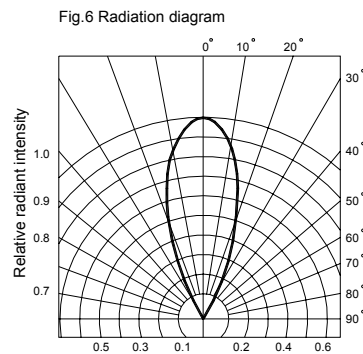
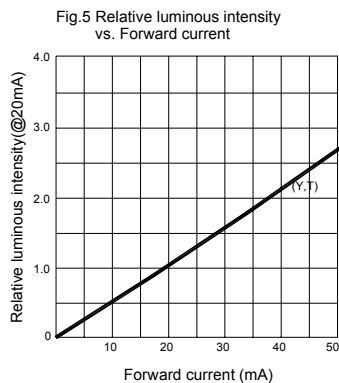
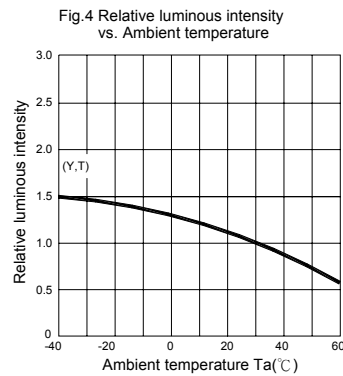
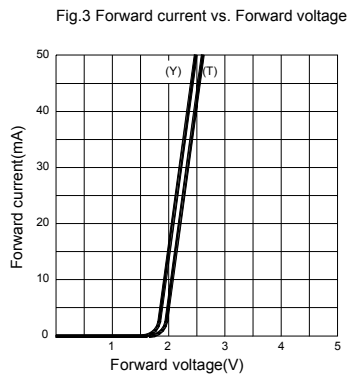
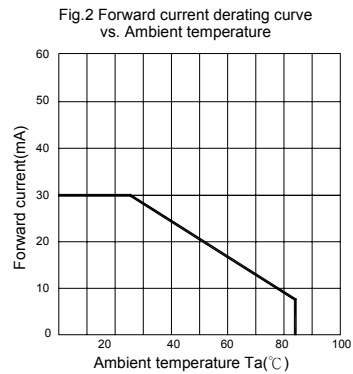
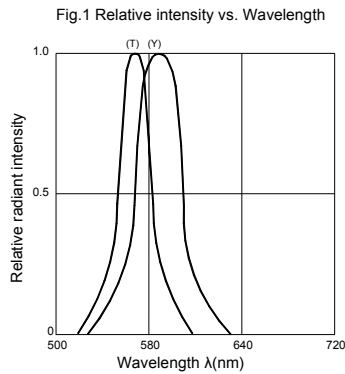
| Parameter | Symbol | Yellow | Green | Unit |
|------------------------------------|-----------------|-----------------------|-------|------|
| Power Dissipation | Pd | 80 | 80 | mW |
| Forward Current | I _F | 30 | 30 | mA |
| Peak Forward Current* ¹ | I _{FP} | 150 | 150 | mA |
| Operating Temperature | 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 | Color | Min. | Typ. | Max. | Unit |
|--------------------------|-----------------|-------------------|--------------|------------|------------|------------|------|
| Forward Voltage | V_F | $I_F=20\text{mA}$ | Yellow Green | - | 2.1 2.3 | 2.6 2.6 | V |
| Luminous Intensity | I_v | $I_F=20\text{mA}$ | Yellow Green | - | 12 18 | - | mcd |
| Peak Wave Length | λ_p | $I_F=20\text{mA}$ | Yellow Green | - | 585 568 | - | nm |
| Dominant Wave Length | λ_d | $I_F=20\text{mA}$ | Yellow Green | 582 570 | - | 595 576 | nm |
| Spectral Line Half-width | $\Delta\lambda$ | $I_F=20\text{mA}$ | Yellow Green | - | 35 30 | - | nm |
| Viewing Angle | $2\theta_{1/2}$ | $I_F=20\text{mA}$ | Yellow Green | - | 40 | - | deg |

● Typical Electro-Optical Characteristics Curves



● TAPPING AND PACKAGING SPECIFICATION

| ITEM | SYMBOL | SPECIFICATION | | | |
|--|--------|---------------|-------|---------|-------|
| | | Minimum | | Maximum | |
| | | mm | inch | mm | inch |
| Tape Feed Hole Diameter (DIA) | D_0 | 1.40 | 0.055 | 1.60 | 0.063 |
| Feed Hole Location | E | 1.65 | 0.064 | 1.85 | 0.073 |
| Centers Line Dimensions Length Direction | F | 11.45 | 0.451 | 11.55 | 0.455 |
| Compartment Depth | K_0 | 6.88 | 0.271 | 6.93 | 0.273 |
| Compartment Pitch | P | 11.9 | 0.468 | 12.1 | 0.476 |
| Sprocket Hole Diameter | P_0 | 3.90 | 0.153 | 4.10 | 0.161 |
| Centers Line Dimensions Length Direction | P_2 | 1.95 | 0.076 | 2.05 | 0.080 |
| Carrier Tape Thickness | t | — | — | 0.4 | 0.016 |
| Carrier Tape Width | W | 23.7 | 0.933 | 24.3 | 0.957 |
| Flange Diameter | A | 329 | 12.95 | 331 | 13.03 |
| Hub Spindle Hole | C | 12.50 | 0.492 | 13.50 | 0.531 |
| Hub Diameter | D_2 | 99 | 3.898 | 101 | 3.976 |
| Fixing Tape Width | W_1 | 20.95 | 0.825 | 21.05 | 0.829 |
| Flange Space Between Flanges | T | 30.5 | 1.201 | 31.5 | 1.240 |
| Compartment Length | A_0 | 4.95 | 0.195 | 5.05 | 0.199 |
| Compartment Width | B_0 | 10.55 | 0.147 | 10.65 | 0.151 |

