

CODE G

NOTES:

1. All dimensions are in millimeter;
2. Tolerance is $\pm 0.25\text{mm}$ • unless other specified;
3. Pin length, housing color, marking no. & circuit diagram can be customized;
4. Specifications are subject to change without notice.


Chip Material: AlGaInP / GaAs Yellow Green LED Chip
ABSOLUTE MAXIMUM RATINGS (Ta = 25°)

| PARAMETER | SYMBOL | MAXIMUM RATING | UNIT |
|--|--------|------------------|------|
| Power Dissipation | PD | 62 | mW |
| Peak Forward Current (1/10 Duty Cycle, 0.1 Ms Pulse Width) | IPEAK | 140 | mA |
| DC Forward Current | IF | 25 | mA |
| Reverse Voltage | VR | 5 | V |
| Operating Temperature Range | TA | -40° • to +85° • | |
| Storage Temperature Range | TSTG | -40° • to +85° • | |
| Solder temperature 1/16 inch below seating plane for 3 seconds at 260° • | | | |

ELECTRICAL OPTICAL CHARACTER AND CURVES (Ta = 25°)

| PARAMETER | SYMBOL | MIN | TYP | MAX | UNIT | LOCATION | TEST CONDITION |
|------------------------------|-------------------|------|------|------|------|-------------|-------------------------------|
| Forward Voltage | V _F | - | 2.20 | 2.50 | V | Per Segment | I _F = 20mA |
| Luminous Intensity | I _v | 30.0 | 35.0 | 40.0 | mcd | Per Segment | I _F = 20mA |
| Peak Emission Wavelength | λ _p | - | 575 | - | nm | Per Segment | I _F = 20mA |
| Dominant Emission Wavelength | λ _d | 567 | 572 | 577 | nm | Per Segment | I _F = 20mA |
| Spectral Line Half-Width | Δλ _{1/2} | - | 20 | - | nm | Per Segment | I _F = 20mA |
| Capacitance | C | - | 15 | - | pF | Per Segment | V _F = 0V; f = 1MHz |
| Reverse Current | I _R | - | - | 10 | uA | Per Segment | VR = 5V |

Note:

1. Luminous intensity tolerance is ±10%;
2. Dominant Emission Wavelength tolerance is ±5%.

■ **Typical Electro-Optical Characteristic Curve:**

FIG. 1 Forward Current Vs. Forward Voltage

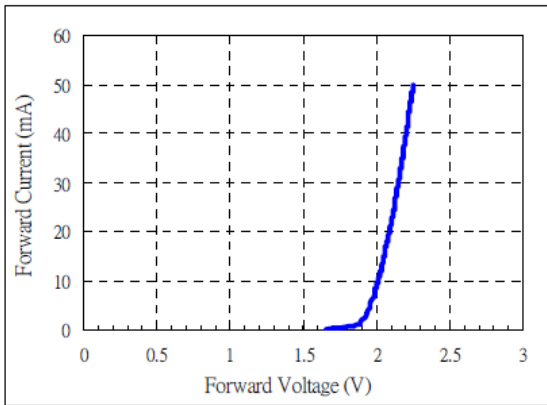


FIG. 2 Relative Intensity Vs. Forward Current

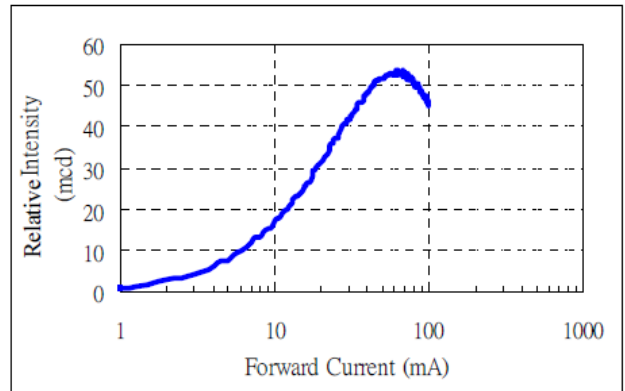


FIG. 3 Forward Voltage Vs. Temperature

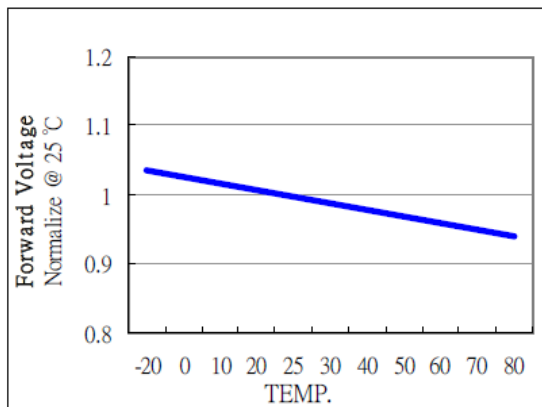


FIG. 4 Relative Intensity Vs. Temperature

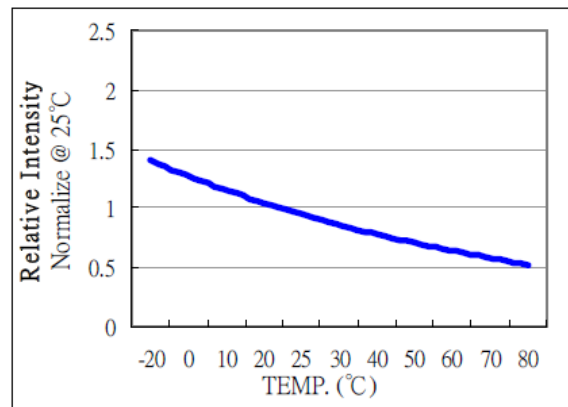


FIG. 5 Relative Intensity Vs. Wavelength

