

CODE I1

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°C)**

PARAMETER	SYMBOL	MAXIMUM RATING	UNIT
Power Dissipation	PD	62	mW
Peak Forward Current (1/10 Duty Cycle, 0.1 Ms Pulse Width)	I <sub>PEAK</sub>	140	mA
DC Forward Current	I <sub>F</sub>	25	mA
Reverse Voltage	V <sub>R</sub>	5	V
Operating Temperature Range	T <sub>A</sub>	-40°C to +85°C	
Storage Temperature Range	T <sub>STG</sub>	-40°C to +85°C	

Solder temperature 1/16 inch below seating plane for 3 seconds at 260°C

**ELECTRICAL OPTICAL CHARACTER AND CURVES (Ta = 25°C)**

PARAMETER	SYMBOL	MIN	TYP	MAX	UNIT	LOCATION	TEST CONDITION
Forward Voltage	V <sub>F</sub>	-	2.20	2.50	V	Per Segment	I <sub>F</sub> = 20mA
Luminous Intensity	I <sub>v</sub>	30.0	35.0	40.0	mcd	Per Segment	I <sub>F</sub> = 20mA
Peak Emission Wavelength	λ <sub>p</sub>	-	575	-	nm	Per Segment	I <sub>F</sub> = 20mA
Dominant Emission Wavelength	λ <sub>d</sub>	567	572	577	nm	Per Segment	I <sub>F</sub> = 20mA
Spectral Line Half-Width	Δλ <sub>1/2</sub>	-	20	-	nm	Per Segment	I <sub>F</sub> = 20mA
Capacitance	C	-	15	-	pF	Per Segment	V <sub>F</sub> = 0V; f = 1MHz
Reverse Current	I <sub>R</sub>	-	-	10	uA	Per Segment	V <sub>R</sub> = 5V

**Note:**

- Luminous intensity tolerance is ±10%;**
- Dominant Emission Wavelength tolerance is ±5%.**

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

FIG. 1 Forward Current Vs. Forward Voltage

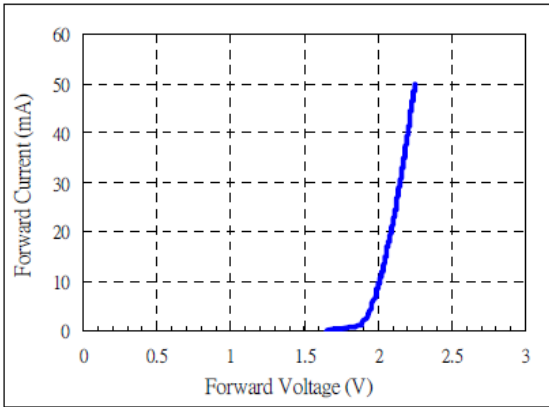


FIG. 2 Relative Intensity Vs. Forward Current

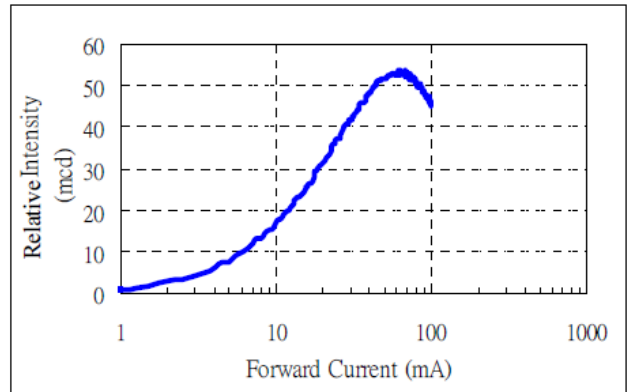


FIG. 3 Forward Voltage Vs. Temperature

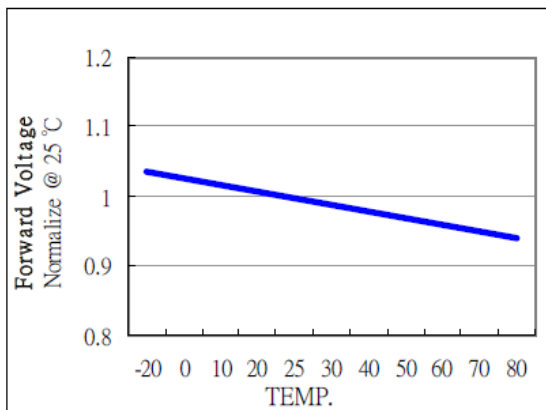


FIG. 4 Relative Intensity Vs. Temperature

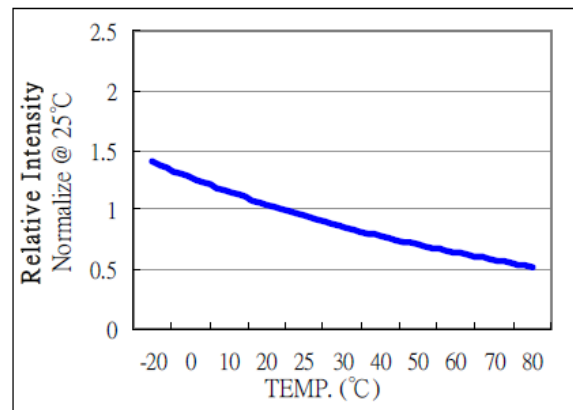


FIG. 5 Relative Intensity Vs. Wavelength

