

GaP/GaP Yellow Green Chip ---TK0809YGU

1. Scope

- The specification applies to GaP LED chips.
- Type : TK0809YGU.

2. Structure

- GaP/GaP yellow green LED chip.
- P/N mesa type.
- Electrode P (anode) side : Aluminum or Gold.
- Electrode N (cathode) side : Gold alloy.

3. Size

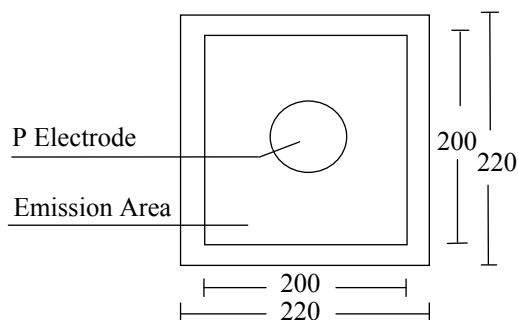
- Chip size : 220um × 220um
- Chip height : 210um ± 30um
- Pattern drawing : per fig. 1

4. Electro-Optical Characteristics

(T_a = +25 °C)

Parameter	Symbol	Condition	Min.	Typ.	Max.	Unit
Forward Voltage	V _F	I _F =20mA		2.25	2.40	V
Reverse Current	I _R	V _R =5V			10	uA
Luminous Intensity	I _V	I _F =20mA	6.0	※		mcd
Wavelength	λ _p / λ _d	I _F =20mA		568/572		nm
Spectrum Width of Half Value	Δλ	I _F =20mA		30		nm

- ※
- Rank 3 : 13.0 ≤ I_v(avg) < 14.0 mcd
 - Rank 4 : 14.0 ≤ I_v(avg) < 15.0 mcd
 - Rank 5 : 15.0 ≤ I_v(avg) < 16.0 mcd
 - Rank 6 : 16.0 ≤ I_v(avg)



Unit : μm

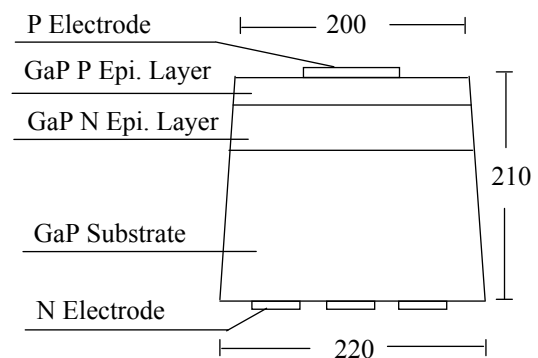


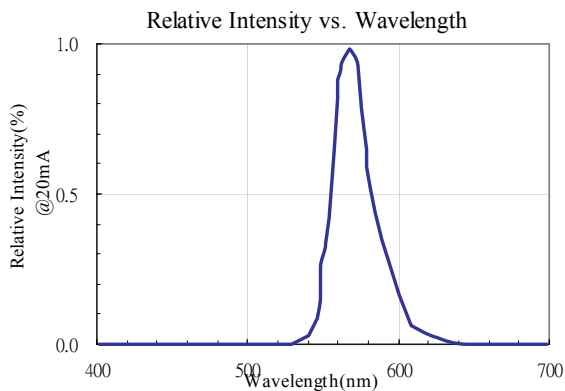
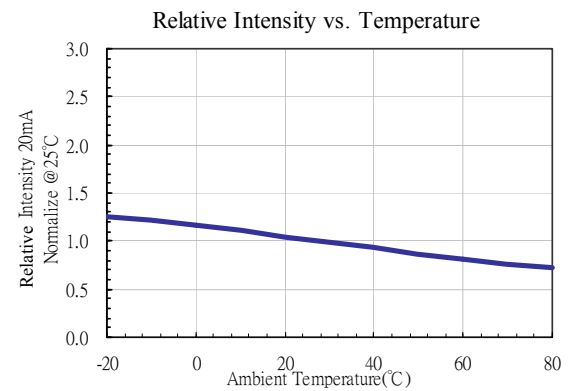
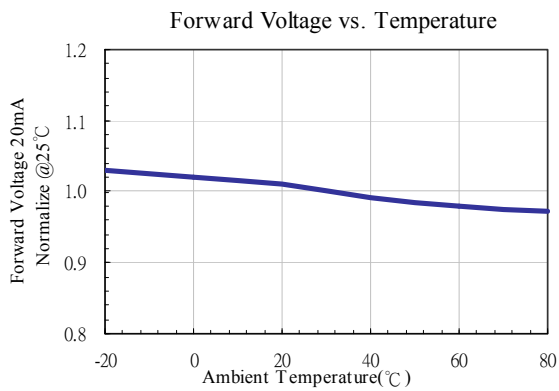
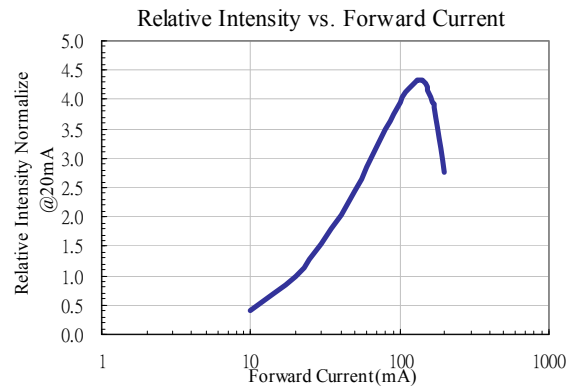
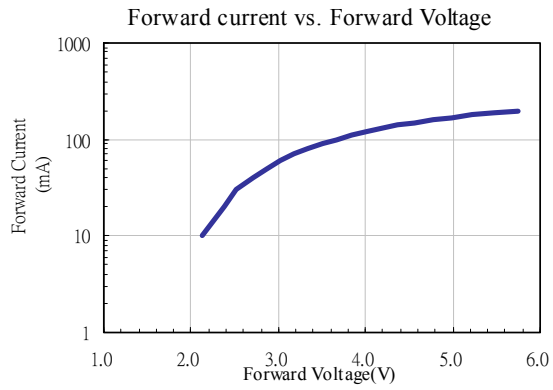
fig. 1

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Electro-Optical Characteristics Curve



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