

# GaP/GaP Yellow Green Chip ---TK0108YGM

## 1. Scope

- The specification applies to GaP LED chips.
- Type : TK0108YGM.

## 2. Structure

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

## 3. Size

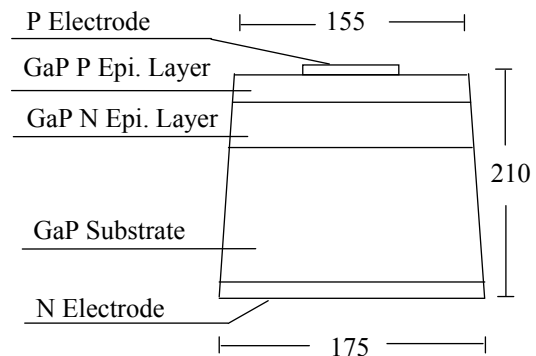
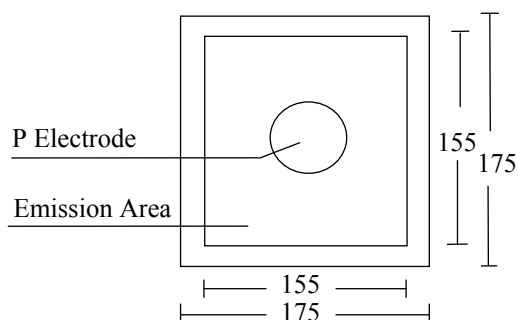
- Chip size : 175um × 175um
- Chip height : 210um ± 30um
- Pattern drawing : per fig. 1

## 4. Electro-Optical Characteristics

(Ta = +25 °C)

Parameter	Symbol	Condition	Min.	Typ.	Max.	Unit
Forward Voltage	$V_F$	$I_F = 20\text{mA}$		2.30	2.50	V
Reverse Current	$I_R$	$V_R = 5\text{V}$			10	uA
Luminous Intensity	$I_V$	$I_F = 20\text{mA}$	4.0	※		mcd
Wavelength	$\lambda_p / \lambda_d$	$I_F = 20\text{mA}$		568/571		nm
Spectrum Width of Half Value	$\Delta\lambda$	$I_F = 20\text{mA}$		30		nm

- ※
- Rank 9 :  $9.0 \leq I_V(\text{avg}) < 10.0$  mcd
  - Rank 0 :  $10.0 \leq I_V(\text{avg}) < 11.0$  mcd
  - Rank 1 :  $11.0 \leq I_V(\text{avg}) < 12.0$  mcd
  - Rank 2 :  $I_V(\text{avg}) \geq 12.0$  mcd



Unit :  $\mu\text{m}$

fig. 1

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# GaP/GaP Yellow Green Chip ---TK0108YGM

## Electro-Optical Characteristics Curve

