

GaP/GaP Yellow Green Chip ---TK109YGM

1. Scope

- The specification applies to GaP LED chips.
- Type : TK109YGM.

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 : 225 μ m \times 225 μ m
- Chip height : 210 μ m \pm 30 μ m
- Pattern drawing : per fig. 1

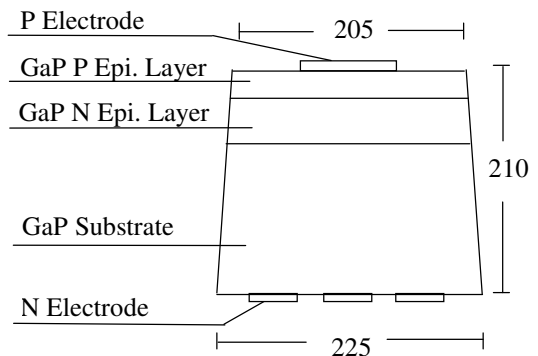
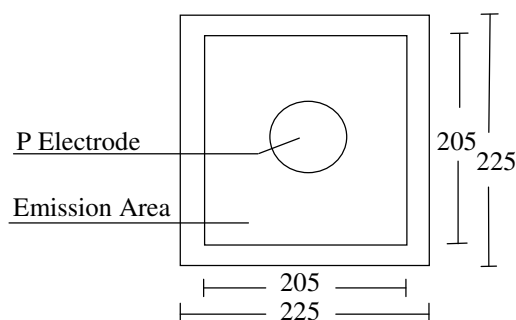
4. Electro-Optical Characteristics

(T_a = +25 °C)

Parameter	Symbol	Condition	Min.	Typ.	Max.	Unit
Forward Voltage	V _F	I _F = 20 mA		2.30	2.50	V
Reverse Current	I _R	V _R = 5 V			10	μ A
Luminous Intensity	I _V	I _F = 20 mA	4.0	※		mcd
Wavelength	λ_p / λ_d	I _F = 20 mA		568/572		nm
Spectrum Width of Half Value	$\Delta \lambda$	I _F = 20 mA		30		nm

- ※ • Rank 0 : 10.0 \leq Avg. < 11.0 mcd
- Rank 1 : 11.0 \leq Avg < 12.0 mcd
- Rank 2 : 12.0 \leq Avg. < 13.0 mcd

- Rank 3 : 13.0 \leq Avg < 14.0 mcd
- Rank 4 : 14.0 \leq Avg < 15.0 mcd
- Rank 5 : 15.0 \leq Avg



Unit : μ m

fig. 1

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