

AlGaInP/GaAs Yellow Green Chip ---TK0507YGN

1. Scope

- The specification applies to AlGaInP LED chips.
- Type : TK0507YGN.

2. Structure

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

3. Size

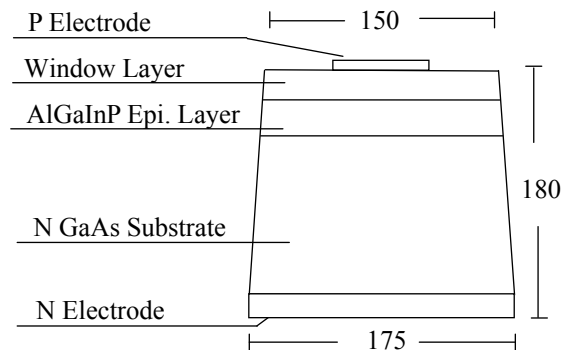
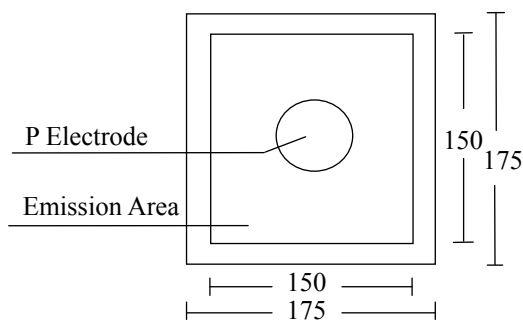
- Chip size : 175 μ m $\times$ 175 μ m
- Chip height : 180 μ m $\pm$ 30 μ m
- Pattern drawing : per fig. 1

4. Electro-Optical Characteristics

(Ta = +25 °C)

Parameter	Symbol	Condition	Min.	Typ.	Max.	Unit
Forward Voltage	V _F	I _F = 20mA		2.10	2.30	V
Reverse Voltage	V _R	I _R = 10 μ A	5			V
Luminous Intensity	I _V	I _F = 20mA		※		mcd
Wavelength	λ_p / λ_d	I _F = 20mA		575/572		nm
Spectrum Width of Half Value	$\Delta\lambda$	I _F = 20mA		20		nm

- ※
- Rank C : I_v min. $\geq$ 10.0
 - Rank D : I_v min. $\geq$ 20.0
 - Rank E : I_v min. $\geq$ 30.0
 - Rank F : I_v min. $\geq$ 40.0



Unit : μ m

fig. 1

2014.Jul



☐ TYNTEK Head Office
☐ TYNTEK Chunan Branch
[http : //www.tyntek.com.tw](http://www.tyntek.com.tw)

Tel : 886-3-5781616
Tel : 886-37-582997

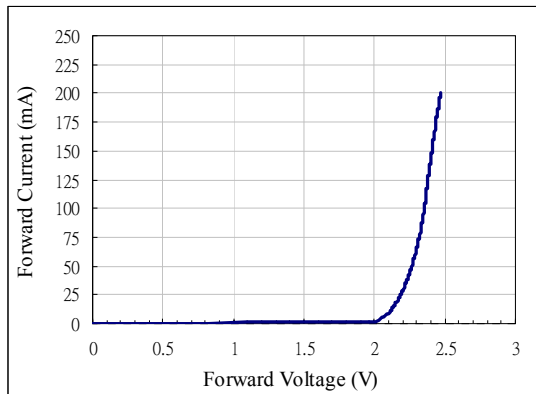
Fax : 886-3-5780545
Fax : 886-37-582908

E-mail : service@serv.tyntek.com.tw

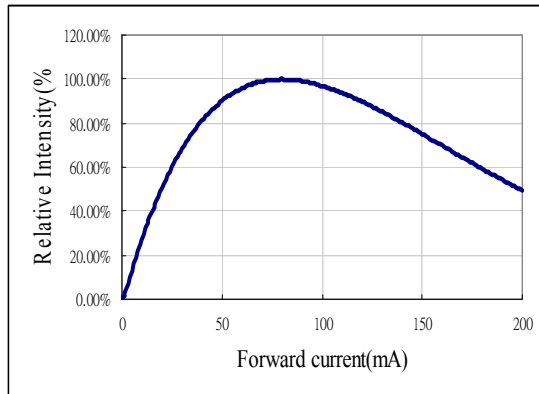
AlGaInP/GaAs Yellow Green Chip ---TK0507YGN

Electro-Optical Characteristics Curve

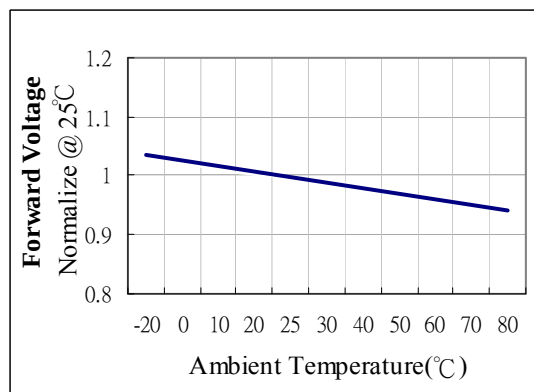
Forward current vs. Forward voltage



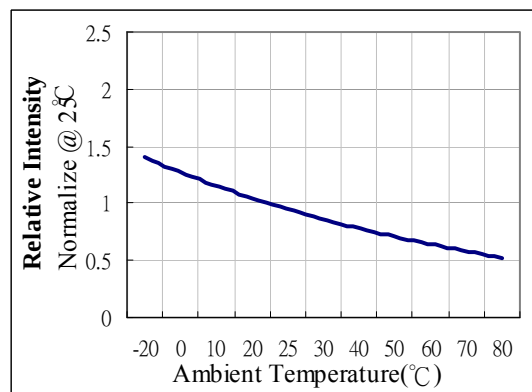
Relative intensity vs. Forward current



Forward voltage vs. Temperature



Relative intensity vs. Temperature



Relative intensity vs. Wavelength

