

# GaAsP/GaP Soft Orange Chip ---TK0110SON

## 1. Scope

- The specification applies to GaAsP LED chips.
- Type : TK0110SON.

## 2. Structure

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

## 3. Size

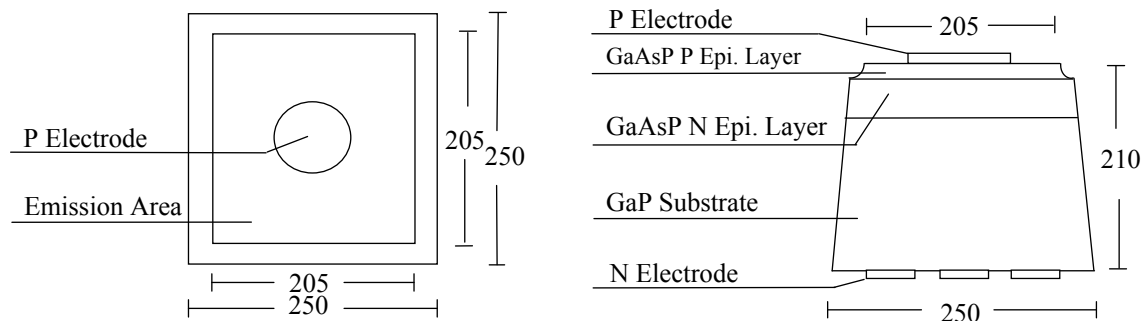
- Chip size :  $250\mu\text{m} \times 250\mu\text{m}$
- Chip height :  $210\mu\text{m} \pm 30\mu\text{m}$
- Pattern drawing : per fig. 1

## 4. Electro-Optical Characteristics

( $T_a = +25\text{ }^\circ\text{C}$ )

Parameter	Symbol	Condition	Min.	Typ.	Max.	Unit
Forward Voltage	$V_F$	$I_F = 20\text{mA}$		2.15	2.50	V
Reverse Current	$I_R$	$V_R = 5\text{V}$			10	$\mu\text{A}$
Luminous Intensity	$I_V$	$I_F = 20\text{mA}$	5.0	※		mcd
Wavelength	$\lambda_p / \lambda_d$	$I_F = 20\text{mA}$		620/607		nm
Spectrum Width of Half Value	$\Delta \lambda$	$I_F = 20\text{mA}$		35		nm

- ※
- Rank C :  $6.0 \leq \text{avg.} < 8.0$  mcd
  - Rank D :  $8.0 \leq \text{avg.} < 10.0$  mcd
  - Rank E :  $\text{avg.} \geq 10.0$  mcd



Unit :  $\mu\text{m}$

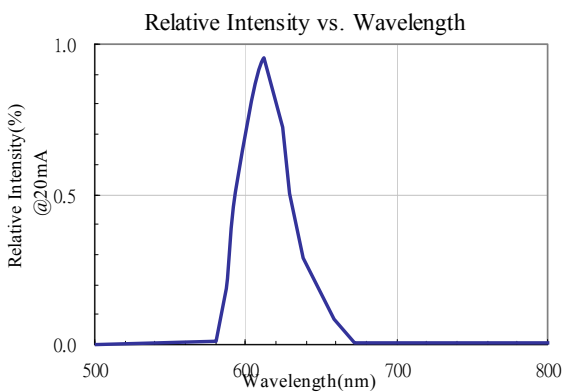
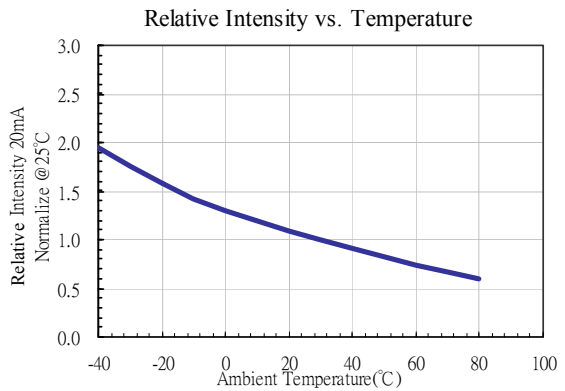
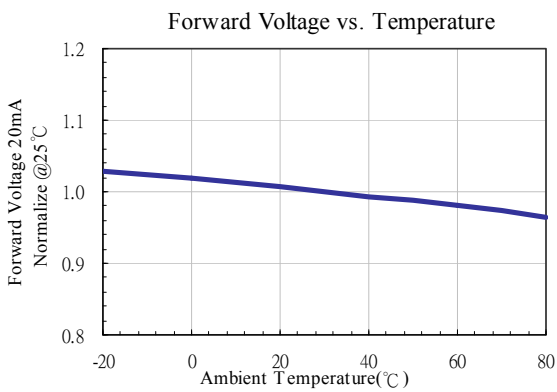
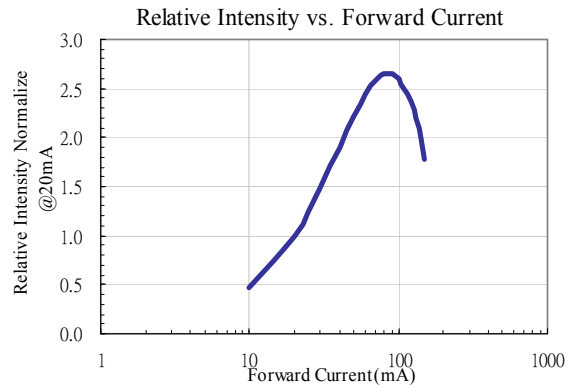
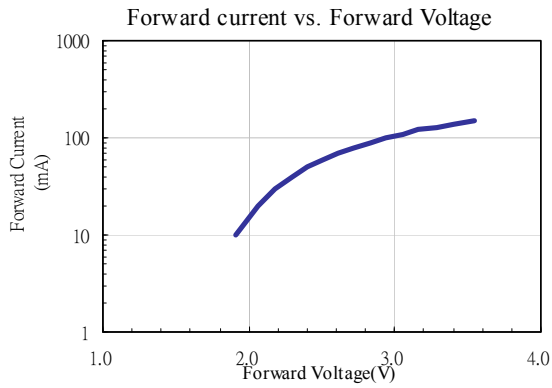
fig. 1

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# GaAsP/GaP Soft Orange Chip ---TK0110SON

## Electro-Optical Characteristics Curve



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](mailto:service@serv.tyntek.com.tw)