

# Yellow Green Chip--ORT012YG

## 1. Scope:

- This specification applies to Gap/Gap yellow-green LED chips.

## 2. Structure:

- Mesa Type: rough surface.
- Electrodes:  
P (Anode) Side: gold alloy.  
N (Cathode) Side: gold alloy.

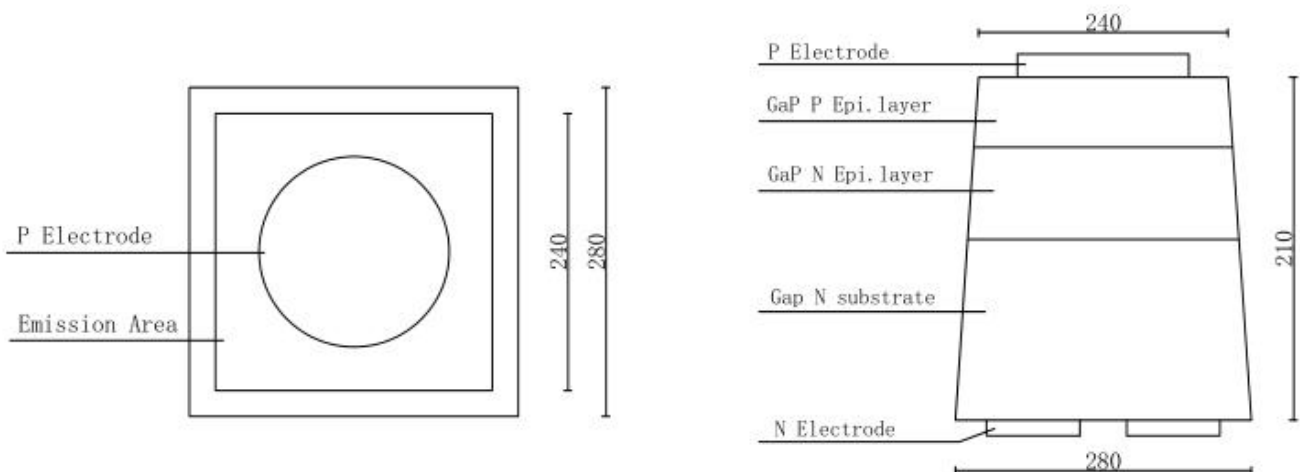
## 3. Size:

- Top Size:  $240\mu\text{m}\times 240\mu\text{m} \pm 30\mu\text{m}$ ; Bottom Size:  $280\mu\text{m}\times 280\mu\text{m} \pm 30\mu\text{m}$
- Chip Height:  $210\mu\text{m} \pm 30\mu\text{m}$
- Pad Size:  $104\mu\text{m} \pm 10\mu\text{m}$
- Pattern Drawing: fig.1.

## 4. Electro-Optical Characteristics:

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

Parameter	Symbol	Unit	Min	Typ	Max	Test Condition
Forward voltage	$V_F$	V	1.9	2.0	2.2	$I_F=20\text{mA}$
Reverse current	$I_R$	$\mu\text{A}$			10	$V_R=5\text{V}$
Peak wavelength	Wlp	nm	568	570	573	$I_F=20\text{mA}$
Luminous Intensity	$I_v$	mcd	8		12	$I_F=20\text{mA}$



unit:  $\mu\text{m}$

fig.1

## 5. Packing and Labeling:

- Packing: Sheet Type
- Each pellet is mounted on an adhesive sheet with wire-bonded electrode side up.
- Labeling: Each lot has a label sheet、writing Type、Lot No、Pcs、Avg  $P_O$ 、 $V_F$ 、Wlp and quantity of good chips.



## 6. Application Notes:

- All data are measured by Orient' s tester on bare chips within 98% of the nominal value.
- Measurement error for dominant wavelength and peak wavelength is  $\pm 5\text{nm}$