

# LED CHIP LED C590-25V

## SPECIFICATION OF LED CHIP C590-25V [Yellow]

### 1) Commodity Type and Physical Characteristics.

- |                      |                              |                 |
|----------------------|------------------------------|-----------------|
| 1. Material          | InGaAlP/GaAs                 |                 |
| 2. Electrode         | Top Side P (anode) side      | : Au Alloy/ Pad |
|                      | Bottom Side N (cathode) side | : Au Alloy      |
| 3. Electrode Pattern |                              | Fig.1           |
| 4. Chip Size         |                              | Fig.2           |
| 5. Chip Thickness    |                              | Fig.2           |
| 6. Emission Area     |                              | Fig.2           |

### 2) Electro-Optical Characteristics [Ta=25°C]

Parameters	Symbol	Condition	Min.	Typ.	Max.	Unit
Forward Voltage	Vf	If=20mA		1.9	2.4	V
Reverse Current	Ir	Vr=5V			10	uA
Brightness	Iv	If=20mA	50	90		mcd
Power Intensity	Po	If=20mA	0.7	1.2		mW
Peak Wavelength	λp	If=20mA	580	590	600	nm
Spectral Radiation Bandwidth	Δλ	If=20mA		20		nm
RiseTime	tr	If=20mA		100		ns
FallTime	tf	If=20mA		100		ns

‡ Die shall be mounted on TO=18 gold header without resin coated.

[Unit: um]

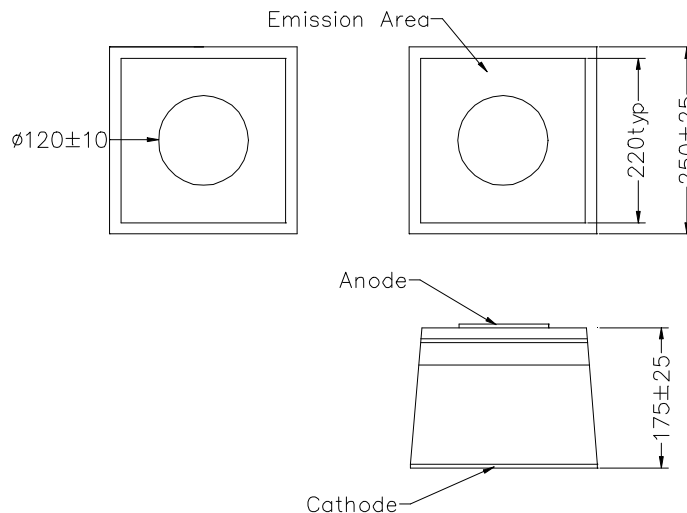


Fig.1 Electrode Pattern

Fig.2 Chip size and Emission Area