

SPECIFICATION OF LED CHIP

C570-35V

[Yellow Green]

1) Commodity Type and Physical Characteristics.

| | | |
|----------------------|------------------------------|-------------------------|
| 1. Material | InGaAlP/GaAs | |
| 2. Electrode | Top Side P (anode) side | : Au Alloy/Au or Al 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 | 2.3 | V |
| Reverse Current | Ir | Vr=5V | | | 10 | uA |
| Brightness | Iv | If=20mA | 15 | 30 | | mcd |
| Power Intensity | Po | If=20mA | | 0.1 | | mW |
| Peak Wavelength | λ_P | If=20mA | 565 | 570 | 575 | nm |
| Spectral Radiation Bandwidth | $\Delta\lambda$ | If=20mA | | 15 | | nm |
| RiseTime | tr | If=20mA | | - | | ns |
| FallTime | tf | If=20mA | | - | | ns |

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

[Unit : um]

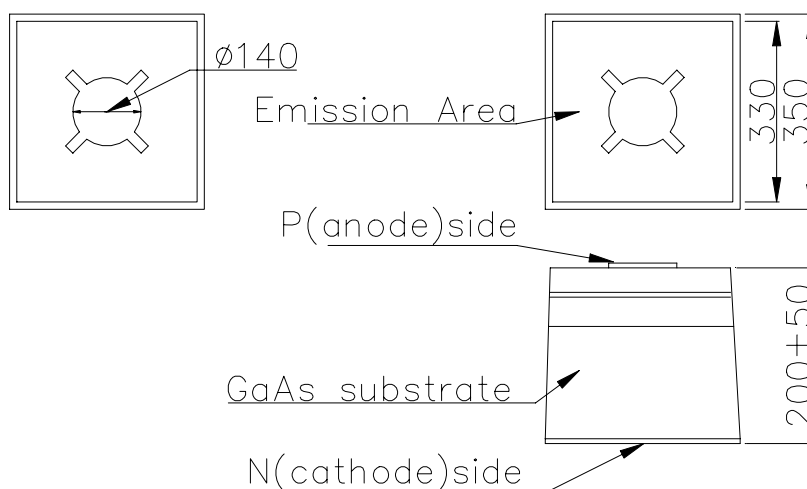


Fig.1 Electrode Pattern

Fig.2 Chip size and Emission Area