

SPECIFICATION OF LED CHIP

C660-35U

[RED]

1) Commodity Type and Physical Characteristics.

| | | | |
|----------------------|--------------------|-------------------|------------------|
| 1. Material | GaAlAs/GaAlAs(DDH) | | |
| 2. Electrode | Top Side | N (cathode)side | :Au Alloy/Al Pad |
| | Bottom Side | P (anode)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 | 2.2 | V |
| Reverse Current | Ir | Vr=5V | | | 10 | uA |
| Brightness | Iv | If=20mA | 40 | 60 | | mcd |
| Power Intensity | Po | If=20mA | 1.0 | 1.8 | | mW |
| Peak Wavelength | λ_P | If=20mA | 650 | 660 | 670 | nm |
| Spectral Radiation Bandwidth | $\Delta\lambda$ | If=20mA | | 20 | | nm |
| Rise Time | tr | If=20mA | | 100 | | ns |
| Fall Time | tf | If=20mA | | 100 | | ns |

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

[Unit: um]

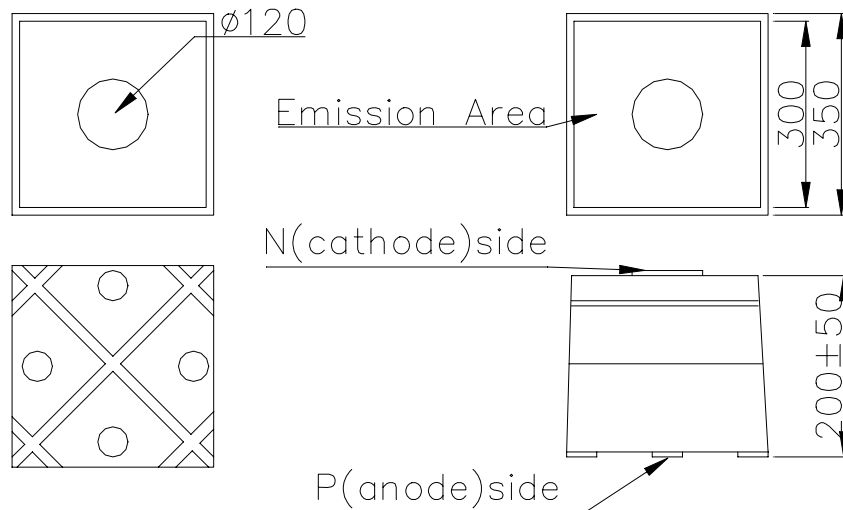


Fig.1 Electrode Pattern

Fig.2 Chip size and Emission Area