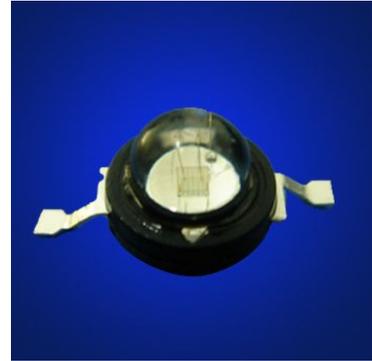




Specification for Approval

● Feature

- Chip material : InGaAlN
- Emitted color : uv
- Lens Appearance: water clear
- High flux output and high luminance
- Lead free product
- Meet ROHS



● Applications

- UV equipment
- Disinfection and sterilizer

■ Notes

1. All dimensions are in millimeter.
2. Protruded resin under flange 1.5mm Max
3. Lead spacing is measured where the lead emerge from the package.
4. Above specification may be changed without notice . Our company will reserve authority on material change for above specification.
5. These specification sheets include materials protected under copyright of SEALAND corporation.



Specification for Approval

Absolute Maximum Rating (Ta=25°C)

| Item | Symbol | Value | Unit |
|----------------------------|------------------|-----------------|------|
| DC forward current | I _F | 300 | mA |
| Pulse forward current | I _{FP} | 1000 | mA |
| Power dissipation | P _D | 120 | mW |
| Operating temperature | T _{opr} | -20~+75 | °C |
| Storage temperature | Y _{stg} | -30~+80 | °C |
| Reverse voltage | V _R | 5 | V |
| Sold soldering temperature | T _{sol} | 260°C/3Sec (*1) | --- |

(*1) SMT solder ability only for Silicone materials len, if pc len Manual welding get better

(*2) Plus with Max 10ms,duty ratio max1/10

■ Initial Electrical/Optical Characteristics (Ta=25°C)

| Item | Symbol | condition | Min | Type | Max | Unit |
|------------------------------|----------------|-----------|------|------|------|------|
| DC forward Voltage | V _F | I=300mA | 2.98 | 3.2 | 3.5 | V |
| DC reverse Current | I _R | V=5V | ---- | ---- | 10 | μ A |
| Chromaticity coordinates* | λ | I=300mA | 375 | 380 | 385 | nm |
| Spectrum Radiation Bandwidth | Δ λ | I=300mA | ---- | 28 | ---- | Nm |
| Luminous Intensity | I _v | I=300mA | 180 | 220 | 240 | mw |
| 50%Power Angle | 2 θ 1/2 | I=300mA | ---- | 120 | ---- | deg |

NOTES:

1. Absolute maximum ratings Ta=25°C
2. Tolerance of measurement of forward voltage ±0.1V
3. Tolerance of measurement of peak Wavelength ±2.0nm
4. Tolerance of measurement of luminous intensity ±15



Specification for Approval

Dimensions:

