

Specification Sheet: Ultra Violet LED Chip

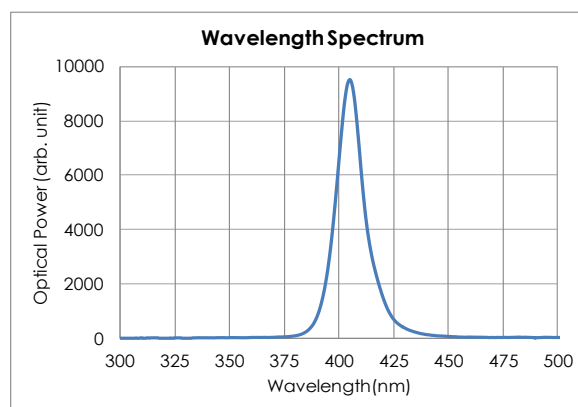
Model: UC6060F10-A1

1) Optical and Electrical Characteristics (Ta=25°C)

| Item | Symbol | Condition | Minimum | Typical | Maximum | Unit |
|-----------------|--------|-----------|---------------------------|---------|---------|------|
| Forward Voltage | VF1 | If=350mA | - | 3.2 | 3.4 | V |
| Reverse Current | Ir | Vr=-5V | - | - | 10 | uA |
| Peak Wavelength | WP | If=350mA | 400 | | 410 | nm |
| Optical Power | IV | If=350mA | Refer to Rank Information | | | mW |

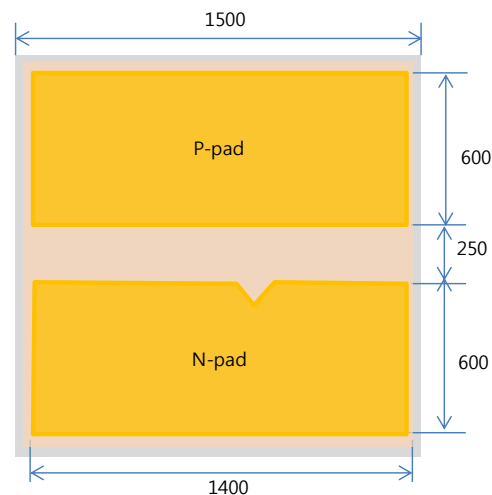
2) Rank Information (Bin Table)

| Po (Optical Power) | | | |
|--------------------|-----|------|------|
| BIN | Min | Typ. | Max. |
| 175 | 175 | - | 200 |
| 200 | 200 | - | 225 |
| 225 | 225 | - | 250 |
| 250 | 250 | - | 275 |



3) Description

| Description | Dimension | Material |
|---------------------|-----------------|--------------------|
| Chip Size (um) | 1500 x 1500 ±30 | |
| Emission Area (um) | 1445 x 1445 ±30 | GaN Based Material |
| Chip Thickness (um) | 150 ±20 | |
| P Bonding Pad (um) | 1400 x 600 ± 15 | Au |
| N Bonding Pad (um) | 1400 x 600 ± 15 | Au |



4) Caution

- Don't look directly into the LED light. UV radiation can harm your eyes.
- To prevent even inadequate exposure, wear protective eyewear.
- If LEDs are embedded in devices, please indicate warning labels against the UV light LED used.
- LED chips are very sensitive to static and surge. All equipment and human bodies must be properly grounded.
- LED chips should be stored at normal temperature (15 ~ 35°C) and humidity(45 ~ 70%). LED chips can be stored for maximum 3 months.



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