

ULTRA VIOLET LED Lamp

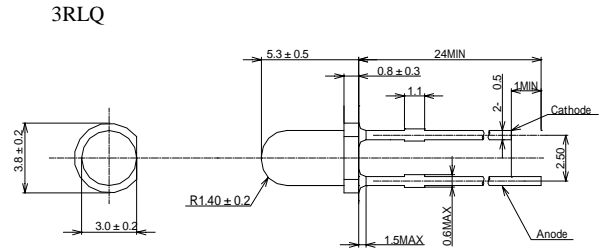
NS355L-3RLQ NS360L-3RLQ

(1) Absolute Maximum Ratings (Ta=25)

| Item | Symbol | Maximum Rating | Unit |
|------------------------|-----------|-------------------|------|
| DC Forward Current | I_F | 25 | mA |
| Pulse Forward Current* | I_{FP} | 100 | mA |
| Reverse Current | I_R | 85 | mA |
| Power Dissipation | P_D | 100 | mW |
| Operating Temperature | T_{OPR} | -30 to +80 | |
| Storage Temperature | T_{STG} | -30 to +85 | |
| Soldering Temperature | T_{SOL} | 260(within 10sec) | |

* Conditions : Duty Cycle 1/10, Pulse Width 0.1msec

(3) Dimension (Unit : mm)



(2) Optical and Electrical Characteristics (Ta=25)

| Item | Symbol | Condition | Min. | Typ. | Max. | Unit | |
|----------------------------|------------------|-----------------|-------------------|---------------------------|------|------|----|
| Forward Voltage | NS355L NS360L | V_F | $I_F=20\text{mA}$ | 3.2 | 3.6 | 4.2 | V |
| Peak Wavelength*1 | NS355L | λ_p | $I_F=20\text{mA}$ | 353 | - | 360 | nm |
| | NS360L | | | 360 | - | 363 | |
| Full Width at Half Maximum | NS355L NS360L | $\Delta\lambda$ | $I_F=20\text{mA}$ | 10 | - | 20 | nm |
| Optical Output Power *2 | | P_o | $I_F=20\text{mA}$ | Refer to Rank Information | | | mW |

*1 Measurement error is $\pm 2\text{nm}$

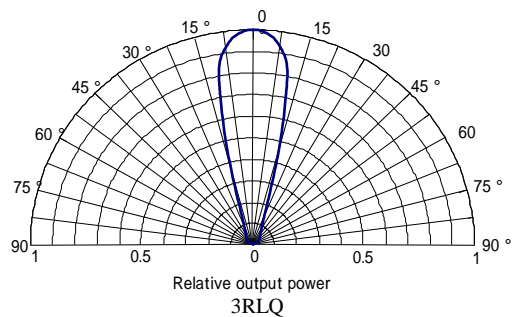
*2 Measurement error is $\pm 10\%$

Rank Information

| Rank | Optical Output Power | | | NS355L | NS360L |
|------|----------------------|------|------|--------|--------|
| | Min. | Typ. | Max. | | |
| 4 | 0.8 | - | 1.2 | -3RLQ | -3RLQ |
| 5 | 1.2 | - | 1.8 | | |
| 6 | 1.8 | - | 2.4 | | |

Please contact us for availability.

(4) Directive Characteristics (Ta=25)



CAUTION

- LEDs emit very strong UV radiation.
- 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.
- Keep out of reach of children.

Specification and dimension are subject to change for improvement without notice.