

# ULTRA VIOLET LED Lamp

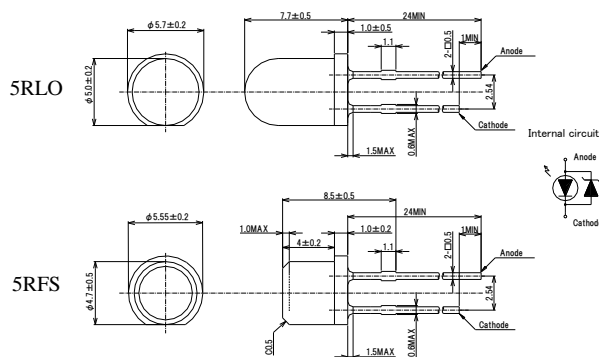
## (1) Absolute Maximum Ratings (Ta=25°C)

### ●Mechanical Specification

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	°C
Storage Temperature	$T_{STG}$	-30 to +85	°C
Soldering Temperature	$T_{SOL}$	260(within 10sec)	°C

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

## (3) Dimension (Unit : mm)



## (2) Optical and Electrical Characteristics (Ta=25°C)

Item	Symbol	Condition	Min.	Typ.	Max.	Unit
Forward Voltage	$V_F$	$I_F=20mA$	3.2	3.6	4.2	V
Peak Wavelength <sup>*1</sup>	NS365L	$I_F=20mA$	363	-	370	nm
	NS370L		370	-	375	
	NS375L		375	-	380	
Full Width at Half Maximum	$\Delta\lambda$	$I_F=20mA$	10	-	20	nm
Optical Output Power <sup>*2</sup>	$P_o$	$I_F=20mA$	Refer to Rank Information			mW

\*1 Measurement error is  $\pm 2nm$

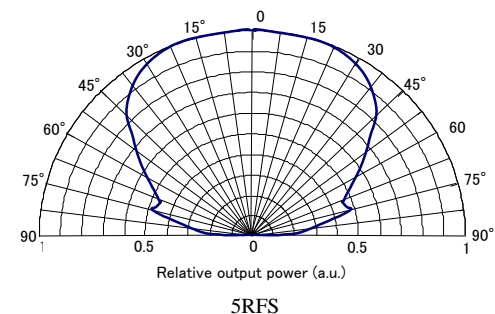
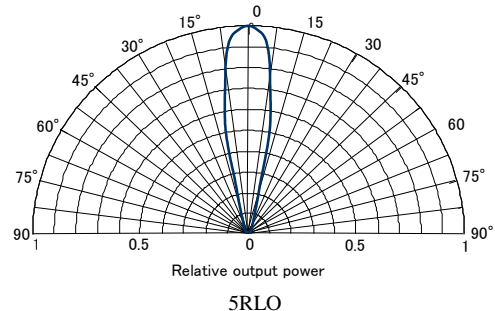
\*2 Measurement error is  $\pm 10\%$

## ■ Rank Information

Rank	Optical Output Power			NS365L		NS370L		NS375L	
	Min.	Typ.	Max.	-5RFS	-5RLO	-5RFS	-5RLO	-5RFS	-5RLO
5	1.2	-	1.8						
6	1.8	-	2.4						
7	2.4	-	4.0	○	○				
8	4.0	-	6.0	○	○	○	○		
9	6.0	-	8.4				○		
10	8.4	-	11.0					○	○
11	11.0	-	14.0					○	○

Please contact us for availability.

## (4) Directive Characteristics (Ta=25°C)



### 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.