

# ULTRA VIOLET LED Lamp

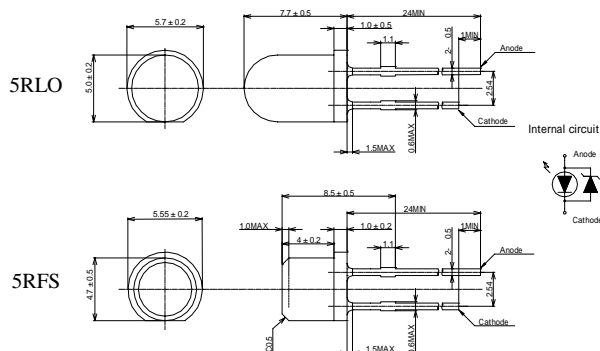
## (1) Absolute Maximum Ratings (Ta=25 )

### 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	
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	$V_F$	$I_F=20mA$	3.2	3.6	4.2	V
Peak Wavelength*1	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 *2	$P_o$	$I_F=20mA$	Refer to Rank Information			mW

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

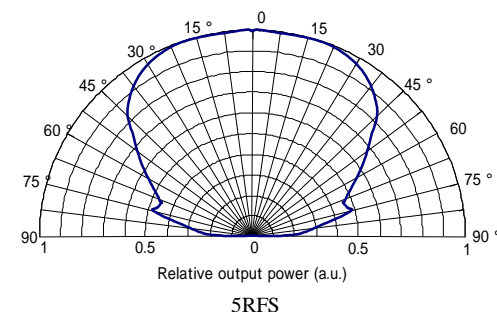
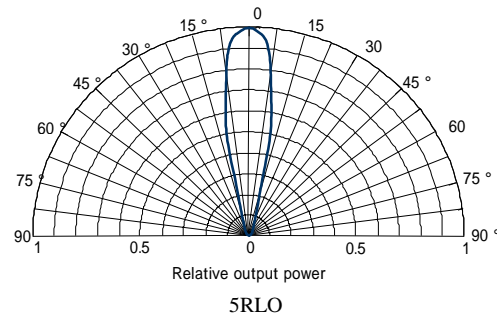
\*2 Measurement error is  $\pm 10\%$

### 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			ask*3			
9	6.0	-	8.4						
10	8.4	-	11.0						
11	11.0	-	14.0						

\*3 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.