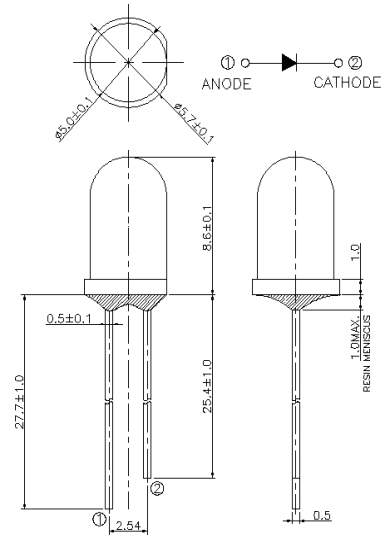


# Ultra Violet LED Lamp RLT350-30

## ■ Features □

- 350 nm Ultra Violet LED lamp
- 5 mm resin mold type
- UV transparent epoxy
- Water clear transparent lens type
- Chip material based GaN



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

Parameter	Symbol	Value	Unit
Power Dissipation	$P_d$	120	mW
Continuous Forward Current	$I_F$	30	mA
Peak Forward Current <sup>※1</sup>	$I_{FM}$	100	mA
Reverse Voltage	$V_R$	5	V
Operating Temperature	$T_{opr}$	- 30 to + 85	°C
Storage Temperature	$T_{stg}$	- 40 to + 100	°C
Soldering Temperature	$T_{sol}$	260 (with in 5 seconds)	°C

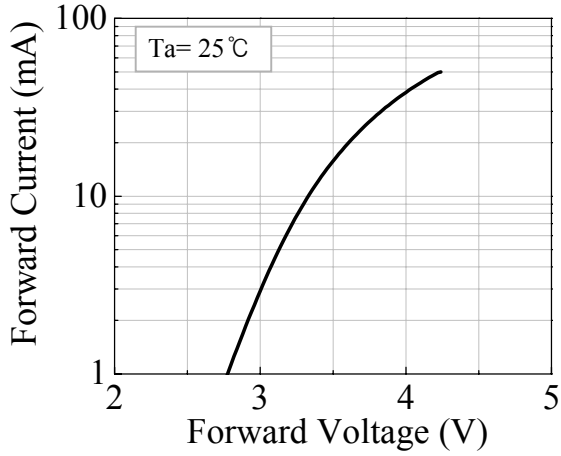
※1 Duty ratio = 1/10, Pulse width = 0.5ms

## ■ Electro-optical Characteristics (Ta=25°C)

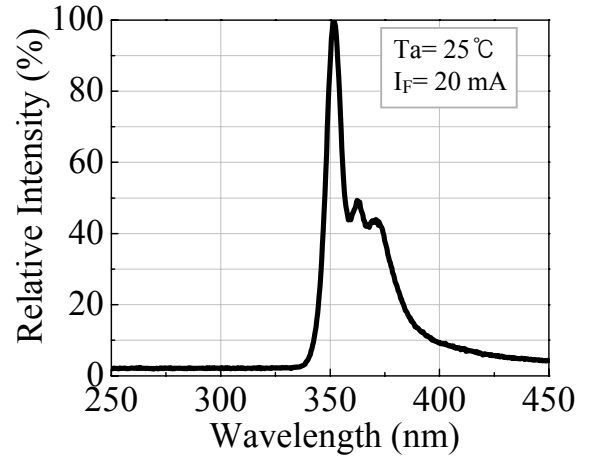
Parameter	Symbol	Condition	Min	Typ.	Max	Unit
Forward Voltage	$V_F$	$I_F = 20 \text{ mA}$	-	3.7	4.0	V
Reverse Current	$I_R$	$V_R = 5 \text{ V}$			10	$\mu\text{A}$
Radiant Flux	$P_o$	$I_F = 20 \text{ mA}$		130	200	$\mu\text{W}$
Viewing angle	$2\theta_{1/2}$	$I_F = 20 \text{ mA}$		30	-	deg.
Peak Wavelength	$\lambda_p$	$I_F = 20 \text{ mA}$		355		nm
Spectrum radiation Bandwidth	$\Delta\lambda$	$I_F = 20 \text{ mA}$		20		nm

# Ultra Violet LED Lamp RLT350-30 □

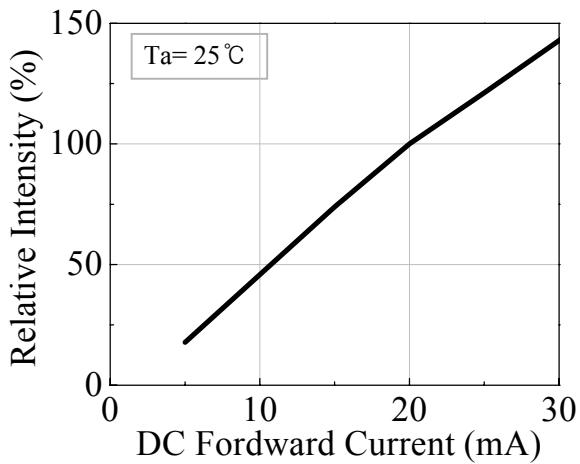
1. Forward Voltage vs. Forward Current



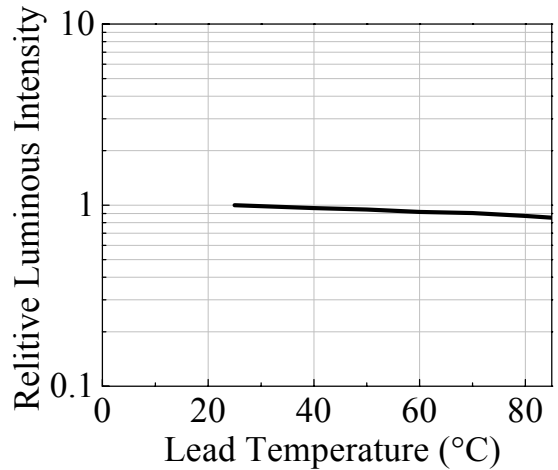
2. Peak wavelength vs. Relative Intensity



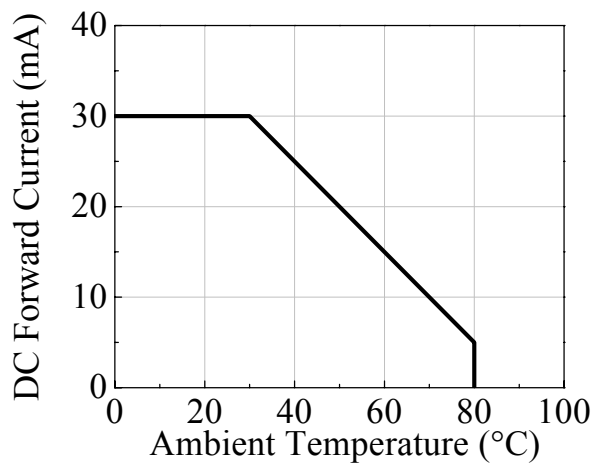
3. Forward Current vs. Relative Intensity



4. Ambient Temperature vs. Relative Intensity



5. Ambient Temperature vs. Forward Current



6. Radiation Spectrum

