

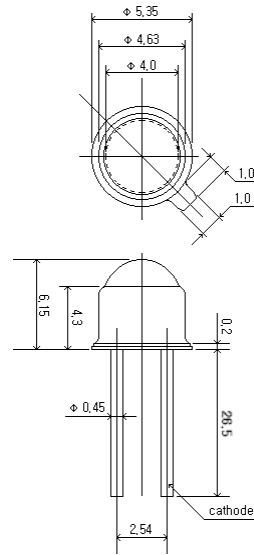
Ultra Violet LED Lamp RLT370-TO-18

Features

- TO-18 ball lens package
- Chip material based on GaN

Applications

- Deodorant : With photocatalyst
- Light source for sensor



Absolute Maximum Ratings (Ta = 25°C)

Parameter	Symbol	Value	Unit
Power Dissipation	P _d	120	mW
Continuous Forward Current	I _F	25	mA
Peak Forward Current ^{? 1}	I _{FM}	100	mA
Reverse Voltage	V _R	5	V
Operating Temperature	T _{opr}	- 30 to + 80	°C
Storage Temperature	T _{stg}	- 40 to + 100	°C
Soldering Temperature	T _{sol}	260 (with in 5 seconds)	°C

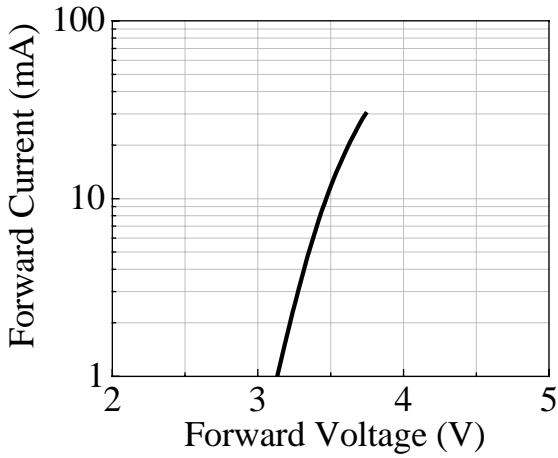
? 1 Duty ratio = 1/10, Pulse width = 0.5 ms

Electro-optical Characteristics (Ta = 25°C)

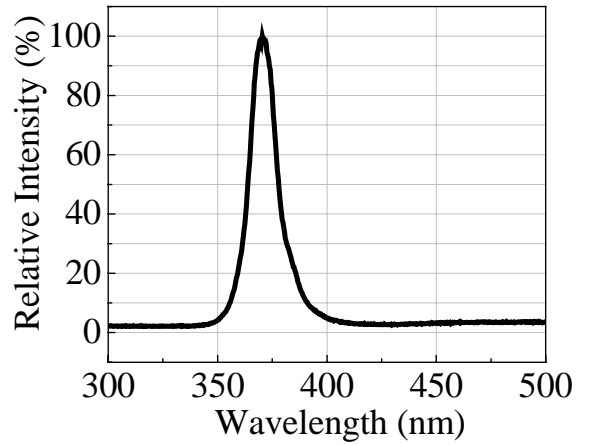
Parameter	Symbol	Condition	Min	Typ.	Max	Unit
Forward Voltage	V _F	I _F = 20 mA	-	3.6	4.0	V
Reverse Current	I _R	V _R = 5 V			10	μA
Radiant Flux	P _o	I _F = 20 mA U1	0.2	0.3	0.4	mW
		I _F = 20 mA U2	0.4	0.5	0.6	mW
Viewing angle	2T _{1/2}	I _F = 20 mA		15	-	deg.
Peak Wavelength	λ _p	I _F = 20 mA	370	373	380	nm
Spectrum radiation Bandwidth	λ _?	I _F = 20 mA		20		nm

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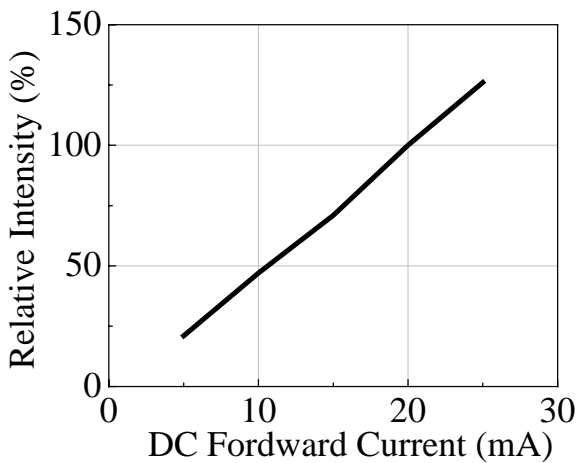
1. Forward Voltage vs. Forward Current



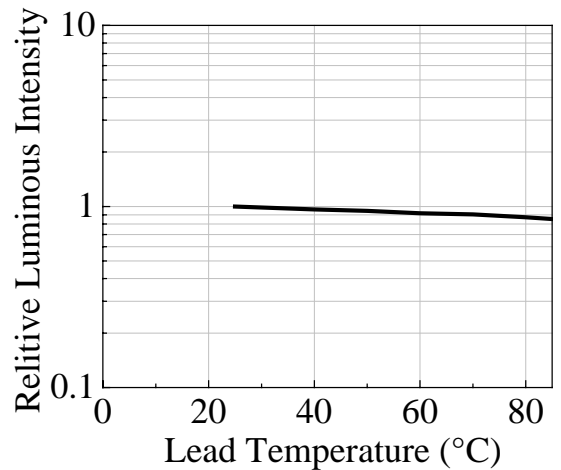
2. Peak wavelength vs. Relative Intensity



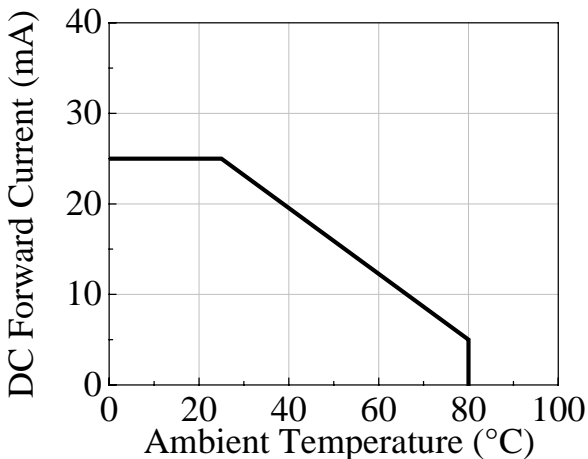
3. Forward Current vs. Relative Intensity



4. Ambient Temperature vs. Relative Intensity



5. Ambient Temperature vs. Forward Current



6. Radiation Angle

