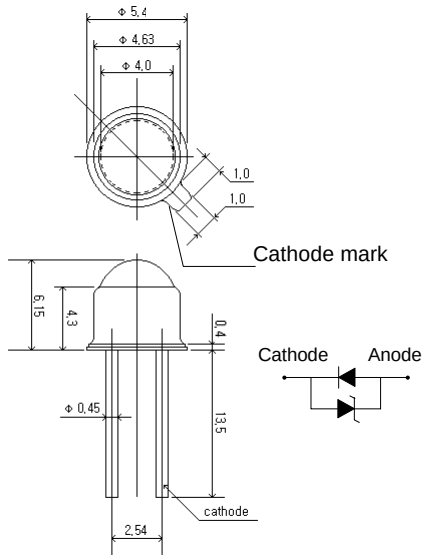
RLT365-TO-18

■ Features

- TO-18 ball lens package with Zener Diode
- Chip material based GaN
- High Reverse Voltage



■ Applications

- Deodorant : With photo-catalyst
- Light source for sensor

■ Absolute Maximum Ratings (Ta=25□)

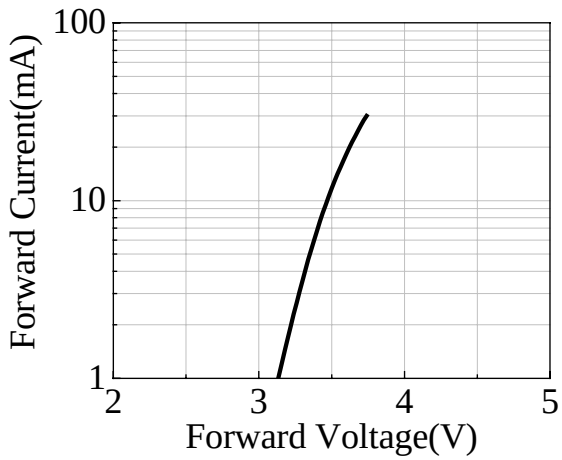
Parameter	Symbol	Value	Unit
Power Dissipation	P_d	100	mW
Continuous Forward Current	I_F	25	mA
Peak Forward Current ? 1	I_{FM}	100	mA
Reverse Voltage	V_R	5	V
Operating Temperature	T_{opr}	- 30 to + 80	°C
Storage Temperature	T_{stg}	- 40 to + 100	°C
Soldering Temperature	T_{sol}	260 (with in 5 seconds)	?

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

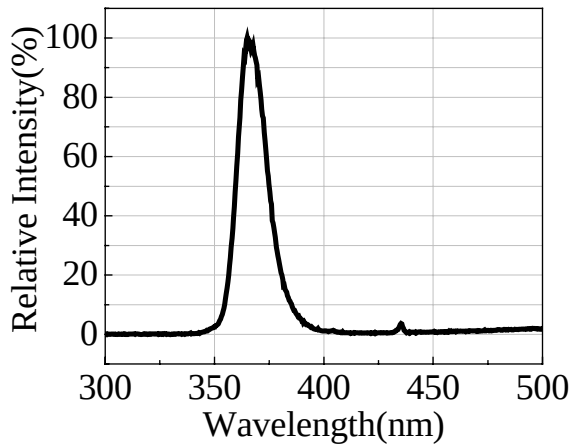
■ Electro-optical Characteristics(Ta=25□)

Parameter	Symbol	Condition		Min	Typ.	Max	Unit
Forward Voltage	V_F	I_F= 20mA		-	3.6	4.5	V
Reverse Current	I_R	V_R= 5V		-		10	V
Radiant Flux	P_o	I_F= 20mA	U1	0.3	0.4	0.5	mW
Viewing angle	$2\Theta_{1/2}$	I_F= 20mA			15	-	deg.
Peak Wavelength	λ_P	I_F= 20mA		360	366	370	nm
Spectrum radiation Bandwidth	$\Delta\lambda$	I_F= 20mA			12		nm

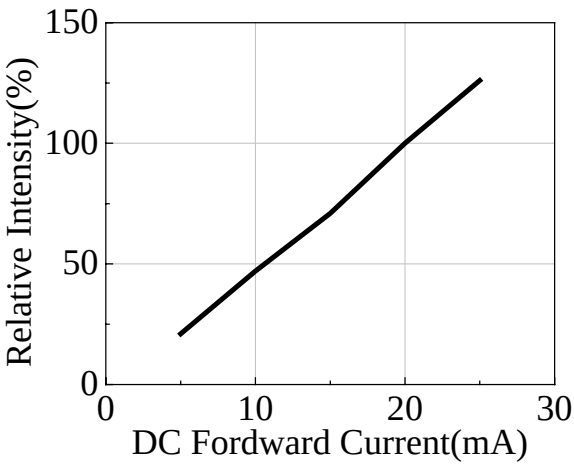
1. Forward Voltage vs. Forward Current



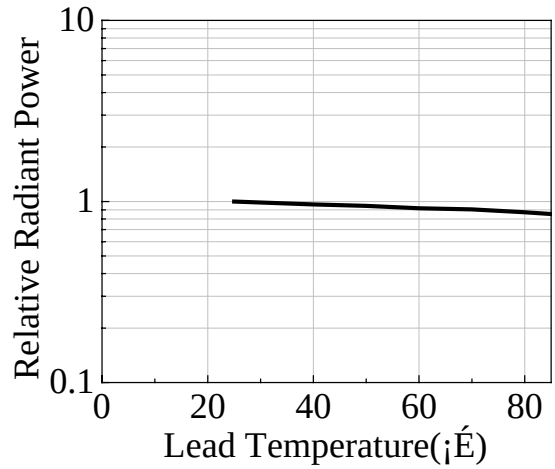
2. Peak wavelength vs. Relative Intensity



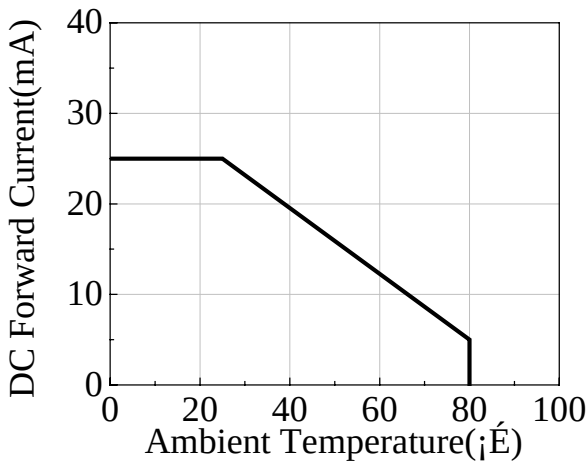
3. Forward Current vs. Relative Intensity



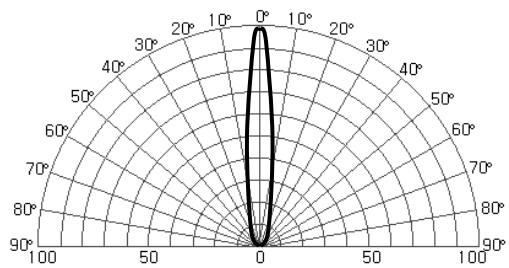
4. Ambient Temperature vs. Relative Intensity



5. Ambient Temperature vs. Forward Current



6. Radiation Spectrum



Relative Luminous Intensity(%)