

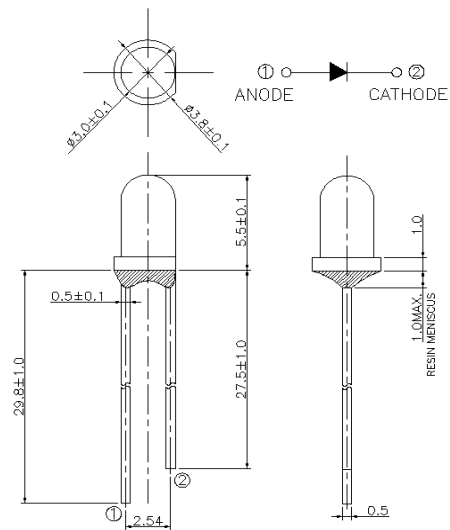
White LED Lamp

IWV-UW3A2T



■ Features

- Round type lamp
- 3mm resin mold type
- Colored White, water clear transparency lens type
- High luminous intensity
- Chip material based GaN



■ Absolute Maximum Ratings(Ta=25)

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

¹ Duty ratio = 1/10, Pulse width = 0.1ms

■ Electro-optical Characteristics(Ta=25)

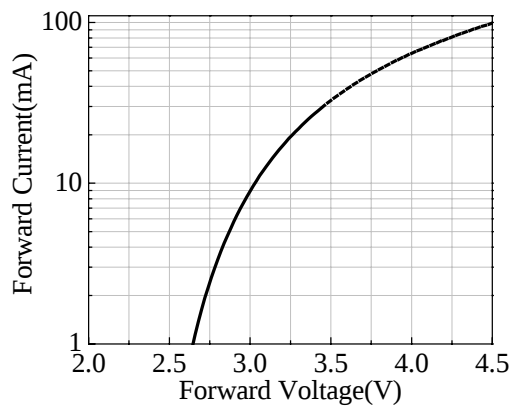
Parameter	Symbol	Condition	Min	Typ.	Max	Unit
Forward Voltage	V _F	I _F = 20mA		3.5	4.0	V
Reverse Current	I _R	V _R = 5V			10	μA
Luminous Intensity	I _V	I _F = 20mA		2600		mcd
Viewing angle	2θ _{1/2}	I _F = 20mA		30		deg.
Chromaticity Coordinates	--	I _F = 20mA		X 0.3 Y 0.3		--

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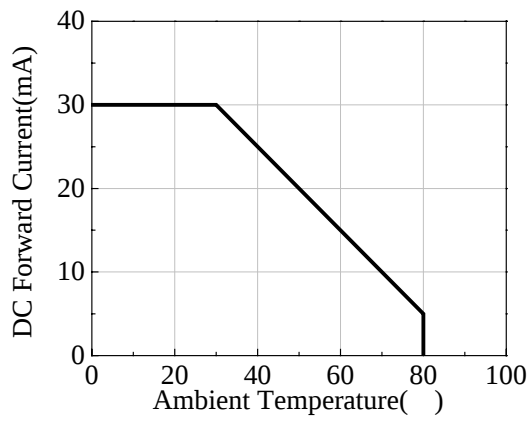
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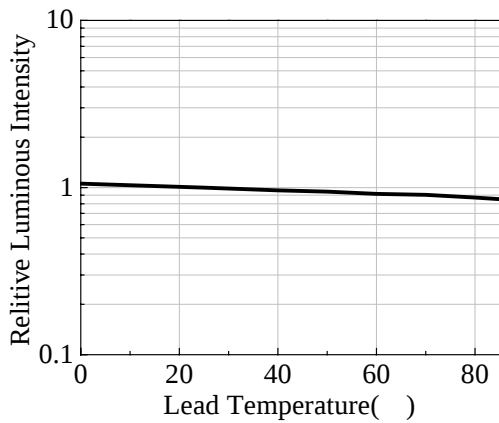
Forward Current vs. Forward Voltage



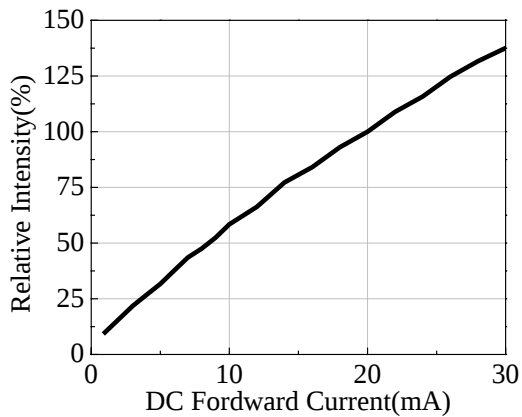
Forward Current vs. Ambient Temperature



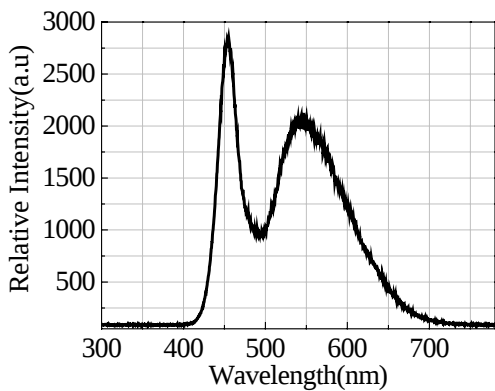
Relative Luminous Intensity vs. Ambient Temperature



Luminous Intensity vs. Forward Current



Relative Luminous Intensity vs. Wavelength



Radiation Diagram

