



UVLED380-10

1.SPECIFICATIONS

(1) Absolute Maximum Ratings (Ta=25°C)

Item	Symbol	Absolute Maximum Rating	Unit
Forward Current	IF	(25)	mA
Pulse Forward Current	IFP	(80)	mA
Reverse Voltage	VR	5	V
Power Dissipation	PD	(100)	mW
Operating Temperature	Topr	-30 ~ + 85	°C
Storage Temperature	Tstg	-40 ~ +100	°C
Soldering Temperature	Tstd	265°C for 10sec.	

IFP Conditions : Pulse Width ≤ 10msec. and Duty ≤ 1/10

(2) Initial Electrical/Optical Characteristics (Ta=25°C)

Item	Symbol	Condition	Min.	Typ.	Max.	Unit	
Forward Voltage	VF	IF=20[mA]	-	3.5	4.0	V	
Peak Wavelength	λP	IF=20[mA]	-	380	-	nm	
Spectrum Half Width	Δλ	IF=20[mA]	-	10	-	nm	
Optical Power Output	Rank 3	Po	IF=20[mA]	1200	1400	1700	μW
	Rank 4	Po	IF=20[mA]	1700	2000	2400	μW
	Rank 5	Po	IF=20[mA]	2400	2800	3400	μW

- * Measurement Uncertainty of the Luminous Intensity : ±10%
- ** Measurement Uncertainty of the Peak Wavelength : ±3nm
- *** One delivery will include up to three different ranks of the products.

2.TYPICAL INITIAL OPTICAL/ELECTRICAL CHARACTERISTICS

Please refer to figure's page.

3.OUTLINE DIMENSIONS AND MATERIALS

Please refer to figure's page.

Material as follows ;

Glass	:	Hard Glass
Cap	:	Ni Plating Iron Alloy
Lead	:	Au Plating Iron Alloy

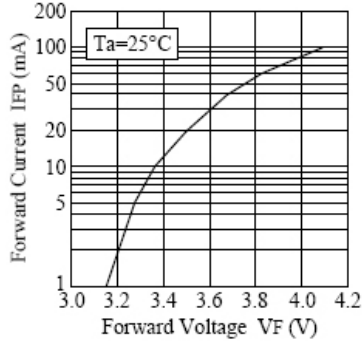


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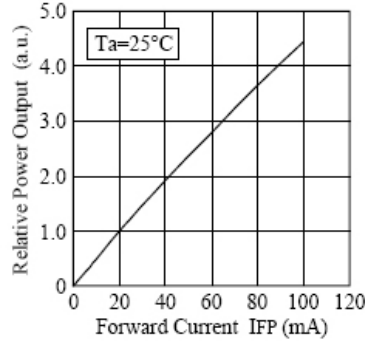
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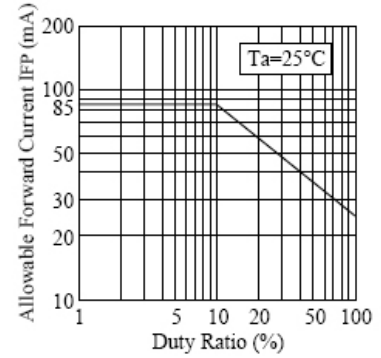
■ Forward Voltage vs. Forward Current



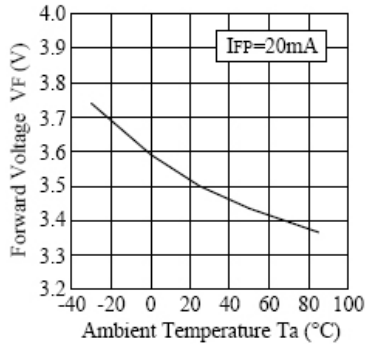
■ Forward Current vs. Relative Power Output



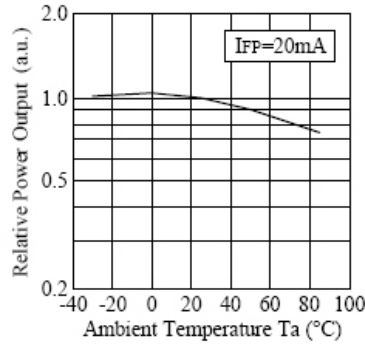
■ Duty Ratio vs. Allowable Forward Current



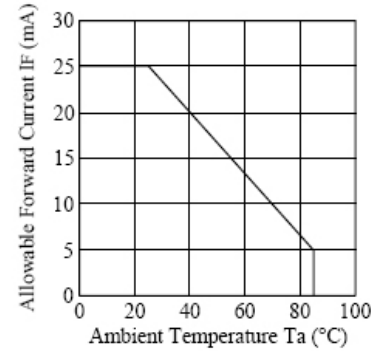
■ Ambient Temperature vs. Forward Voltage



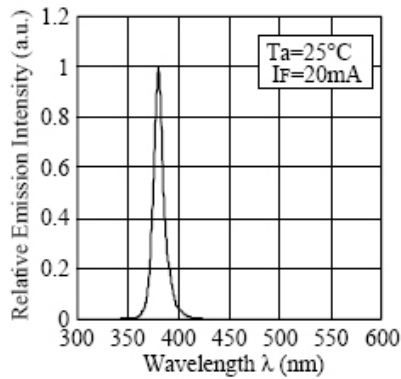
■ Ambient Temperature vs. Relative Power Output



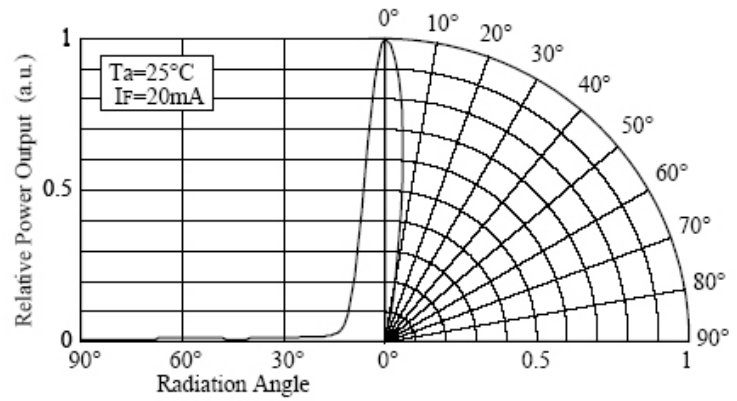
■ Ambient Temperature vs. Allowable Forward Current



■ Spectrum



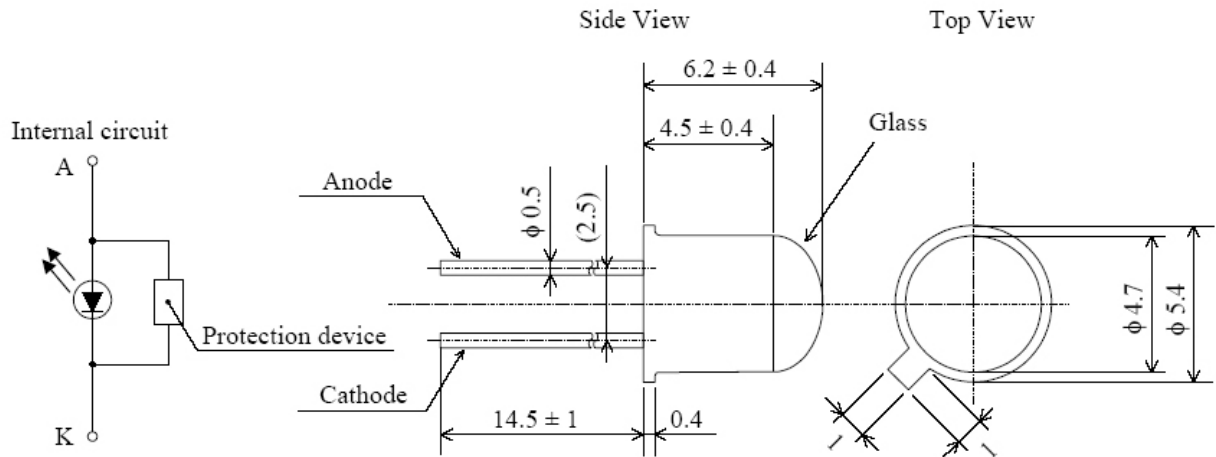
■ Directivity (NSHU590A)





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ITEM	MATERIALS
GLASS	Hard Glass
CAP	Ni Plating Iron Alloy
LEAD	Au Plating Iron Alloy