

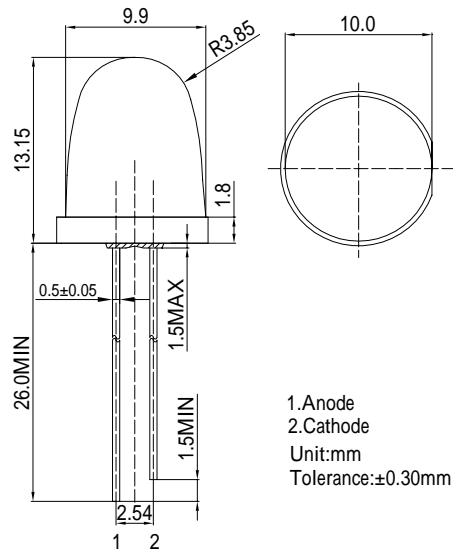
### Features

- High Luminous LEDs
- 10mm Bullet Standard Directivity
- Superior Weather-resistance
- UV Resistant Epoxy
- Water Clear Type

### Applications

- Traffic Signal
- Backlighting
- Signal and channel letter
- Other Lighting

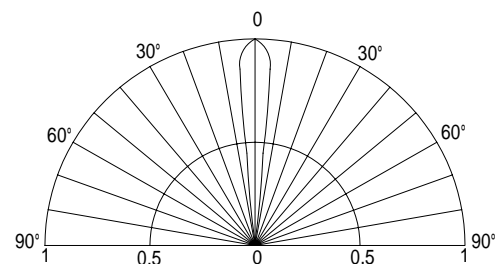
### Outline Dimension



### Absolute Maximum Rating (Ta=25 °C)

Item	Symbol	Value	Unit
DC Forward Current	$I_F$	50	mA
Pulse Forward Current*	$I_{FP}$	120	mA
Reverse Voltage	$V_R$	5	V
Power Dissipation	$P_D$	130	mW
Operating Temperature	$T_{opr}$	-30 ~ +85	
Storage Temperature	$T_{stg}$	-40 ~ +100	
Lead Soldering Temperature	$T_{sol}$	260 / 5sec	-

### Directivity



\*Pulse width Max.10ms Duty ratio max 1/10

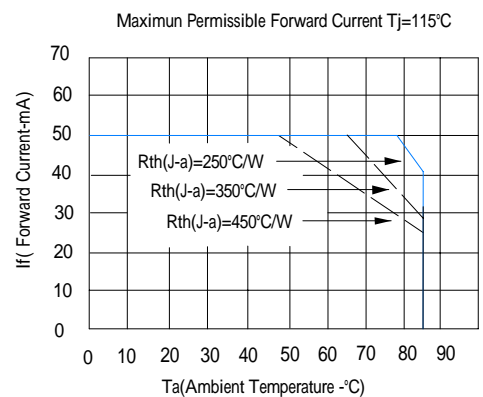
### Electrical -Optical Characteristics (Ta=25 °C)

Item	Symbol	Condition	Min.	Typ.	Max.	Unit
DC Forward Voltage	$V_F$	$I_F=20mA$	1.8	2.1	2.6	V
DC Reverse Current	$I_R$	$V_R=5V$	-	-	10	$\mu A$
Domi. Wavelength*	$\lambda_D$	$I_F=20mA$	600	605	610	nm
Luminous Intensity*	$I_v$	$I_F=20mA$	72000	80000	-	mcd
50% Power Angle	$2\theta_{1/2}$	$I_F=20mA$	-	8	-	deg

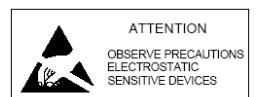
\*1 Tolerance of dominant wavelength is  $\pm 1nm$

\*2 Tolerance of luminous intensity is  $\pm 15\%$

### Maximum Forward Current



LED & Application Technologies



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