

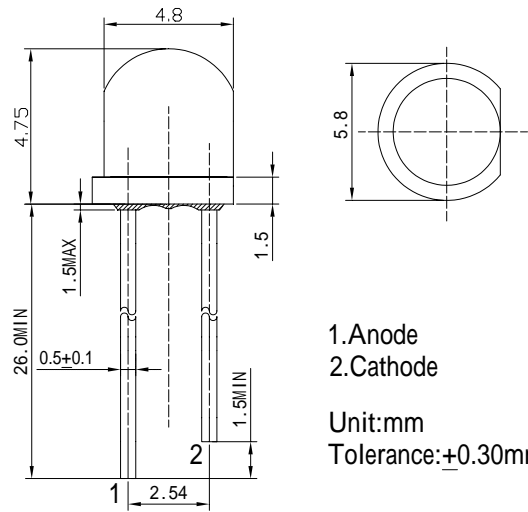
**Features**

- High Luminous LEDs
- 4.8mm Straw Standard Directivity
- Superior Weather-resistance
- UV Resistant Epoxy
- Water Clear Type

**Applications**

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

**Outline Dimension**

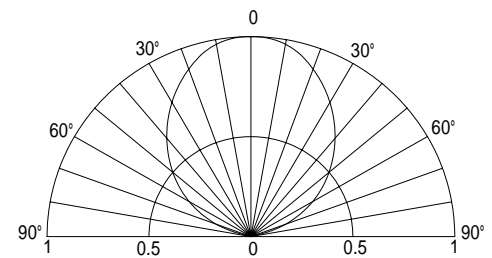


**Absolute Maximum Rating**

( $T_a=25^\circ\text{C}$ )

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**

( $T_a=25^\circ\text{C}$ )

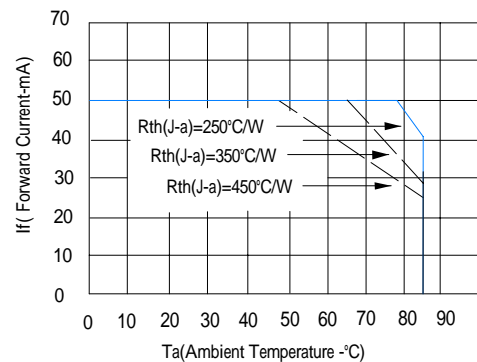
Item	Symbol	Condition	Min.	Typ.	Max.	Unit
DC Forward Voltage	$V_F$	$I_F=20\text{mA}$	1.8	2.1	2.6	V
DC Reverse Current	$I_R$	$V_R=5\text{V}$	-	-	10	$\mu\text{A}$
Domi. Wavelength*	$\lambda_D$	$I_F=20\text{mA}$	585	590	595	nm
Luminous Intensity*	$I_v$	$I_F=20\text{mA}$	1560	2000	-	mcd
50% Power Angle	$2\theta_{1/2}$	$I_F=20\text{mA}$	-	100	-	deg

\*1 Tolerance of dominant wavelength is  $\pm 1\text{nm}$

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

**Maximum Forward Current**

Maximum Permissible Forward Current  $T_J=115^\circ\text{C}$



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