

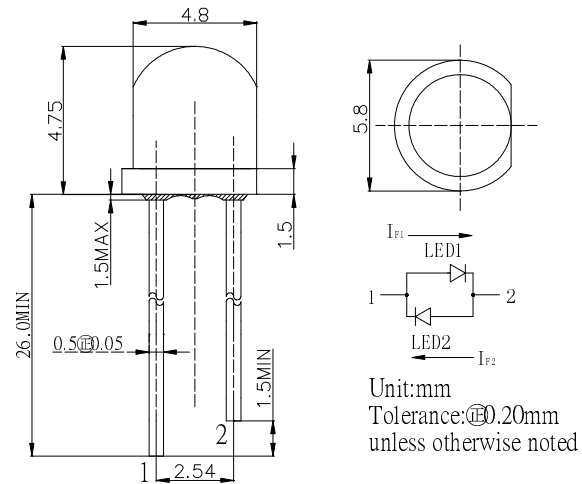
**■Features**

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

**■Applications**

- Toys
- Audio
- Games
- Other Lighting

**■Outline Dimension**



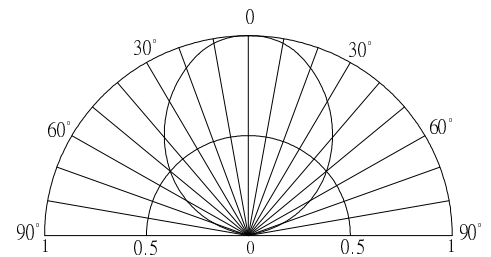
**■Absolute Maximum Rating**

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

Item	Symbol	Value		Unit
		LED1	LED2	
DC Forward Current	$I_F$	50	50	mA
Pulse Forward Current*	$I_{FP}$	100	100	mA
Reverse Voltage	$V_R$	5	5	V
Power Dissipation	$P_D$	130	130	mW
Operating Temperature	$T_{opr}$	-30 ~ +85		$^\circ\text{C}$
Storage Temperature	$T_{stg}$	-40 ~ +100		$^\circ\text{C}$
Lead Soldering Temperature	$T_{sol}$	260 $^\circ\text{C}$ /5sec		-

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

**■Directivity**



**■Electrical -Optical Characteristics**

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

Item	NO.	Symbol	Condition	Min.	Typ.	Max.	Unit
DC Forward Voltage	LED1	$V_{F1}$	$I_{F1}=20\text{mA}$	-	2.1	2.6	V
	LED2	$V_{F2}$	$I_{F2}=20\text{mA}$	-	2.1	2.6	V
Domi. Wavelength*	LED1	$\lambda_{D1}$	$I_{F1}=20\text{mA}$	600	605	610	nm
	LED2	$\lambda_{D2}$	$I_{F2}=20\text{mA}$	600	605	610	nm
Luminous Intensity*	LED1	$I_{V1}$	$I_{F1}=20\text{mA}$	1560	2180	-	mcd
	LED2	$I_{V2}$	$I_{F2}=20\text{mA}$	1560	2180	-	mcd
50% Power Angle	LED1	$2\theta_{1/2}$	$I_{F1}=20\text{mA}$	-	100	-	deg
	LED2	$2\theta_{1/2}$	$I_{F2}=20\text{mA}$	-	100	-	deg

\*1 Tolerance of measurements of domi. wavelength is  $\pm 1\text{nm}$

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

\*3 Tolerance of measurements of forward voltage is  $\pm 0.1\text{V}$