

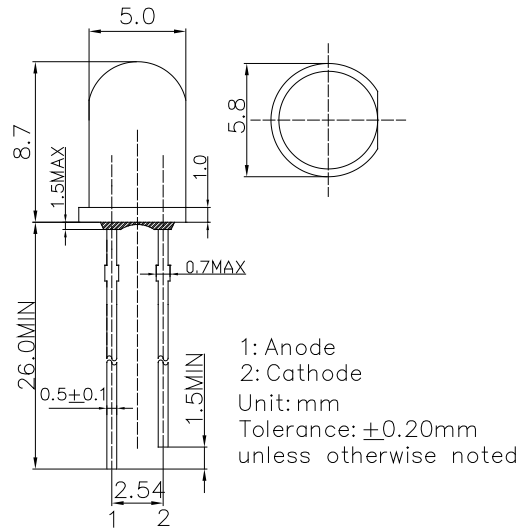
■ Features

- High Luminous LEDs
- 5mm Standard Directivity
- UV Resistant Epoxy
- Water Clear Type

■ Applications

- Backlighting (illuminated advertising etc.)
- Substitution of micro incandescent lamps
- Reading lamps / Emergency Lighting
- Marker lights (e.g. steps, exit ways, etc.)
- Other lighting

■ Outline Dimension



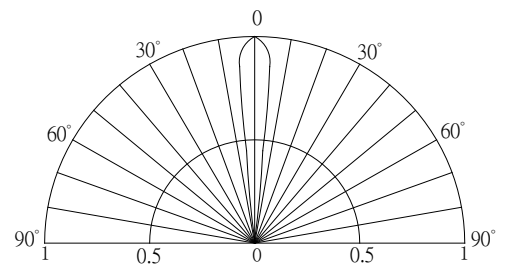
■ Absolute Maximum Rating

(Ta=25°C)

Item	Symbol	Value	Unit
DC Forward Current	I_F	30	mA
Pulse Forward Current#	I_{FP}	100	mA
Reverse Voltage	V_R	5	V
Power Dissipation	P_D	102	mW
Operating Temperature	T_{opr}	-30 ~ +85	°C
Storage Temperature	T_{stg}	-40 ~ +100	°C
Lead Soldering Temperature	T_{sol}	260°C/5sec	-

#Pulse width Max 10ms , Duty ratio max 1/10

■ Directivity



■ Electrical -Optical Characteristics

(Ta=25°C)

Item	Symbol	Condition	Min.	Typ.	Max	Unit
DC Forward Voltage*	V_F	$I_F=20\text{mA}$	-	2.9	3.4	V
DC Reverse Current	I_R	$V_R=5\text{V}$	-	-	10	μA
Luminous Intensity*	I_v	$I_F=20\text{mA}$	30000	35000	-	mcd
Color Temperature	CCT	$I_F=20\text{mA}$	2600	3000	3400	K
Chromaticity Coordinates*	x	$I_F=20\text{mA}$	-	0.45	-	
	y	$I_F=20\text{mA}$	-	0.41	-	
50% Power Angle	$2\theta_{1/2}$	$I_F=20\text{mA}$	-	15	-	deg

*1 Tolerance of measurements of chromaticity coordinate is $\pm 10\%$

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

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

LED & Application Technologies

