

■ **Features**

- High Luminous LEDs
- 5mm Round Standard Directivity
- Long Lifetime Operation
- Water Clear Type

■ **Applications**

- Backlighting (switches, keys, displays, illuminated advertising etc.)
- Substitution of Micro Incandescent Lamps
- Reading Lamps / Emergency Lighting
- Marker lights (e.g. steps, exit ways, etc.)
- Other Lighting

■ **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	108	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

■ **Electrical -Optical Characteristics**

(Ta=25°C)

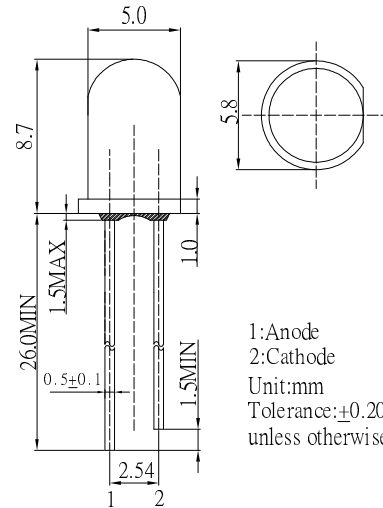
Item	Symbol	Condition	Min.	Typ.	Max.	Unit
DC Forward Voltage	V _F	I _F =20mA	2.9	3.1	3.6	V
DC Reverse Current	I _R	V _R =5V	-	-	10	μA
Luminous Intensity*	I _v	I _F =20mA	18000	20000	-	mcd
Luminous Flux*	Φ _v	I _F =20mA	5.0	6.0	-	lm
Chromaticity Coordinates*	x	I _F =20mA	-	0.19	-	
	y	I _F =20mA	-	0.29	-	
50% Power Angle	2θ _{1/2}	I _F =20mA	-	15	-	deg

*1 Tolerance of measurements of chromaticity coordinate is ±10%

*2 Tolerance of measurements of luminous flux is ±15%

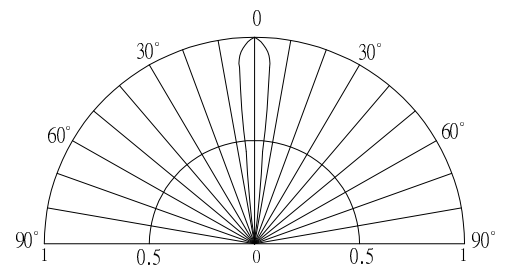
*3 Tolerance of measurements of forward voltage is ±0.1V

■ **Outline Dimension**



1: Anode
2: Cathode
Unit:mm
Tolerance:±0.20mm
unless otherwise noted

■ **Directivity**



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