

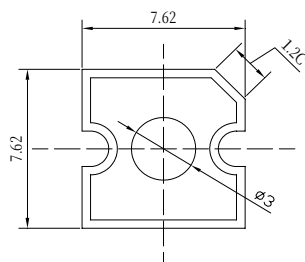
■Features

- High Luminous Super Flux Output
- 3 σ Standard Directivity
- Superior Weather-resistance
- UV Resistant Epoxy
- Long Lifetime Operation (Up to 100,000 hours)
- Water Clear Type

■Applications

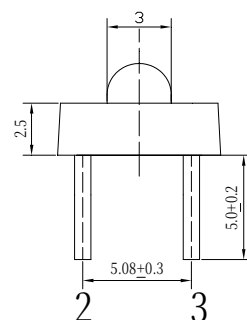
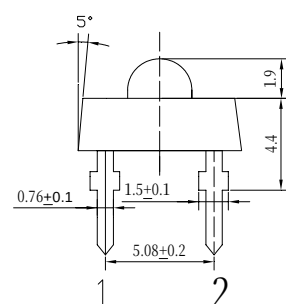
- General Purpose Indicators
- Small Area Illuminations
- Back Lighting
- Other Lighting

■Outline Dimension



Unit:mm
Tolerance: ± 0.3 mm

1,4 Anode
2,3 Cathode

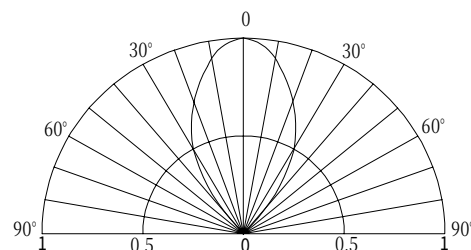


■Absolute Maximum Rating

(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	-

■Directivity



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

■Electrical -Optical Characteristics

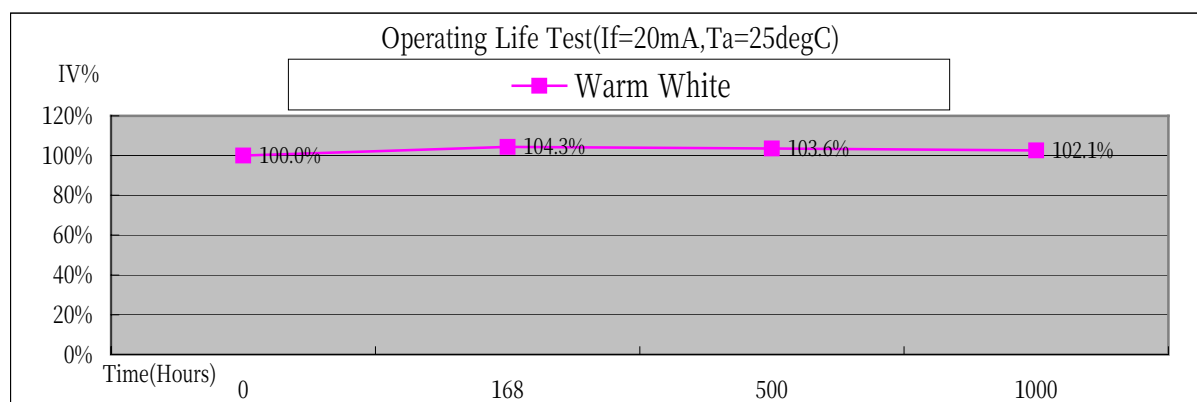
(Ta=25°C)

Item	Symbol	Condition	Min.	Typ.	Max.	Unit
DC Forward Voltage	V_F	$I_F=20\text{mA}$	2.9	3.1	3.6	V
DC Reverse Current	I_R	$V_R=5\text{V}$	-	-	10	μA
Luminous Intensity*	I_v	$I_F=20\text{mA}$	-	1500	-	mcd
Chromaticity Coordinate*	x	$I_F=20\text{mA}$	-	0.45	-	
	y	$I_F=20\text{mA}$	-	0.17	-	
50% Power Angle	$2\theta_{1/2}$	$I_F=20\text{mA}$	-	60	-	deg

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

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

OPERATION LIFE TEST LUMINANCE RATE CURVE



*Burn-in condition: $I_f=20\text{mA}$, $T_a=\text{Round } 25\text{degC}$.

*Projection of Statistical Average Light Output Degradation Performance for LED Technology Extrapolated from OptoSupply QA Dept. Test Data.

*According to OptoSupply outgoing Packaged Products Specification

*MTBF: 100,000hrs, 90% Confidence (A Failure is Any LED Which is Open, shorted or fails to Emit Light)

*The Projected Data is Base on The Feature of LED Itself Under Normal Operation Conditions.

*Any Improper Circuit Design or External Factors Might Cause a Different Result.