OptoSupply
Light It Up

Super Deluxe Power 5mm Round White LED

OSW57L5B61Y

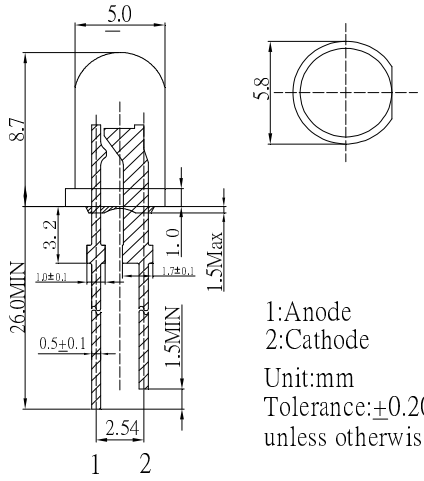
■Features

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

■Applications

- Electronic Signs And Signals
- Small Area Illuminations
- Back Lighting
- Other Lighting

■Outline Dimension



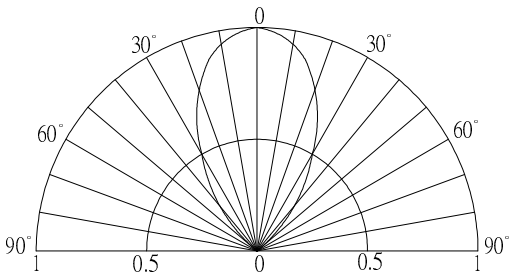
1:Anode
2:Cathode
Unit:mm
Tolerance:±0.20mm
unless otherwise noted

■Absolute Maximum Rating (Ta=25℃)

Item	Symbol	Value	Unit
DC Forward Current	I_F	80	mA
Pulse Forward Current*	I_{FP}	120	mA
Reverse Voltage	V_R	5	V
Power Dissipation	P_D	288	mW
Operating Temperature	Topr	-30 ~ +85	℃
Storage Temperature	Tstg	-40~ +100	℃
Lead Soldering Temperature	Tsol	260℃/5sec	-

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

■Directivity



■Electrical -Optical Characteristics (Ta=25℃)

Item	Symbol	Condition	Min.	Typ.	Max.	Unit
DC Forward Voltage*1	V_F	I_F=75mA	2.8	3.2	3.6	V
DC Reverse Current	I_R	V_R=5V	-	-	10	μA
Luminous Flux*2	Φv	I_F=75mA	18	20	-	lm
Luminous Intensity*3	Iv	I_F=75mA	30000	35000	-	mcd
Color Temperature*4	CCT	I_F=75mA	8500	10000	18000	K
Chromaticity Coordinates*5	x	I_F=75mA	-	0.27	-	
	y	I_F=75mA	-	0.28	-	
50% Power Angle	$2\theta_{1/2}$	I_F=75mA	-	60	-	deg

*1 Tolerance of measurements of forward voltage is ±0.1V
*2 Tolerance of measurements of Luminous Flux is ±15%
*3 Tolerance of measurements of luminous intensity is ±15%
*4 Tolerance of measurements of color temperature is ±10%
*5 Tolerance of measurements of chromaticity coordinates is ±10%

LED & Application Technologies

ISO 9001: 2008

ATTENTION
OBSERVE PRECAUTIONS
ELECTROSTATIC
SENSITIVE DEVICES

InGaN LED

TYPICAL ELECTRICAL/OPTICAL CHARACTERISTIC CURVES