

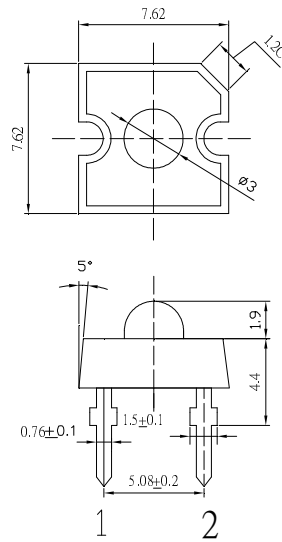
Super Deluxe Power Flux Blue LED

OSB56LZ141P

■Features

- High Luminous Super Flux Output
- 3 ø Standard Directivity
- Long Lifetime Operation
- Low Thermal Resistance
- UV Resistant Epoxy
- Water Clear Type

■Outline Dimension



Unit:mm
Tolerance:±0.20mm
unless otherwise noted
1,4 Anode
2,3 Cathode

■Applications

- Interior and exterior automotive lighting
(e.g. dashboard backlighting etc.)
- Backlighting (Illuminated advertising, general lighting, etc)
- Decorative Lighting
- Other Lighting

■Absolute Maximum Rating

(Ta=25°C)

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	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*1	V _F	I _F =70mA	2.8	3.3	3.6	V
DC Reverse Current	I _R	V _R =5V	-	-	10	μA
Domi. Wavelength*2	λ _D	I _F =70mA	465	470	475	nm
Luminous Flux*3	Φ _v	I _F =70mA	3.5	4.5	-	lm
Luminous Intensity*4	I _v	I _F =70mA	7000	8400	-	mcd
50% Power Angle	2θ _{1/2}	I _F =70mA	-	40	-	deg

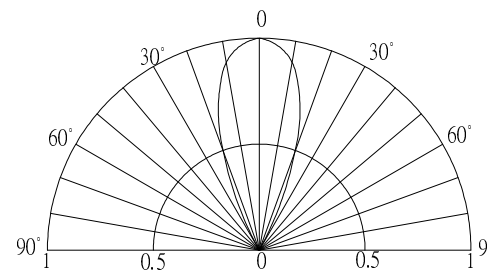
*1 Tolerance of measurements of forward voltage is ±0.1V

*2 Tolerance of measurements of dominant wavelength is ±1nm

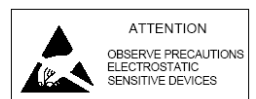
*3 Tolerance of measurements of luminous flux is ±15%

*4 Tolerance of measurements of luminous intensity is ±15%

■Directivity



LED & Application Technologies



VER A.0