

# Super Flux Premium Red LED

## OSR5PAZHA1D

### ■Features

- High Luminous Super Flux Output
- 3  $\sigma$  Standard Directivity
- Long Lifetime Operation
- Low Thermal Resistance
- Superior Weather-Resistance
- UV Resistant Epoxy
- Water Clear Type

### ■Applications

- Automotive tail, stop, turn signal lamps and interior lighting
- Signage and channel letter
- Decoration and entertainment lighting
- Architectural lighting
- Other Lighting

### ■Absolute Maximum Rating

(Ta=25°C)

Item	Symbol	Value	Unit
DC Forward Current	$I_F$	50	mA
Pulse Forward Current*	$I_{FP}$	120	mA
Reverse Voltage	$V_R$	5	V
Power Dissipation	$P_D$	130	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

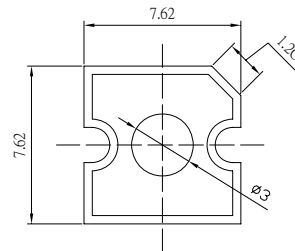
(Ta=25°C)

Item	Symbol	Condition	Min.	Typ.	Max.	Unit
DC Forward Voltage	$V_F$	$I_F=50mA$	1.8	2.1	2.6	V
DC Reverse Current	$I_R$	$V_R=5V$	-	-	10	$\mu A$
Domi. Wavelength*	$\lambda_D$	$I_F=50mA$	620	625	630	nm
Luminous Intensity*	$I_v$	$I_F=50mA$	1560	2250	-	mcd
50% Power Angle	$2\theta_{1/2}$	$I_F=50mA$	-	100	-	deg

\*1 Tolerance of dominant wavelength is  $\pm 1nm$

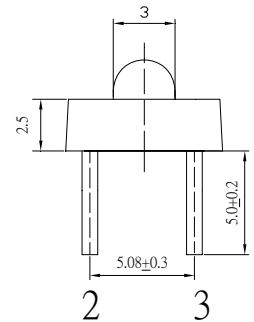
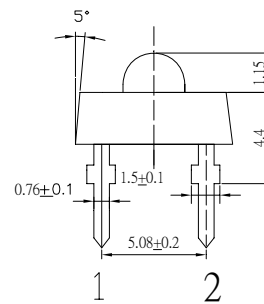
\*2 Tolerance of luminous intensity is  $\pm 15\%$

### ■Outline Dimension

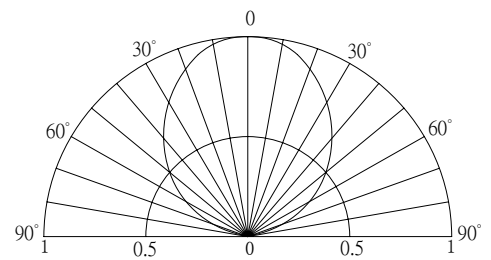


Unit:mm  
Tolerance: $\pm 0.3mm$

1,4 Cathode  
2,3 Anode



### ■Directivity



### ■Maximum Forward Current

