OptoSupply
Light It Up

Deluxe Power Concave Super Flux Red LED

OS5RE3ZJC1P

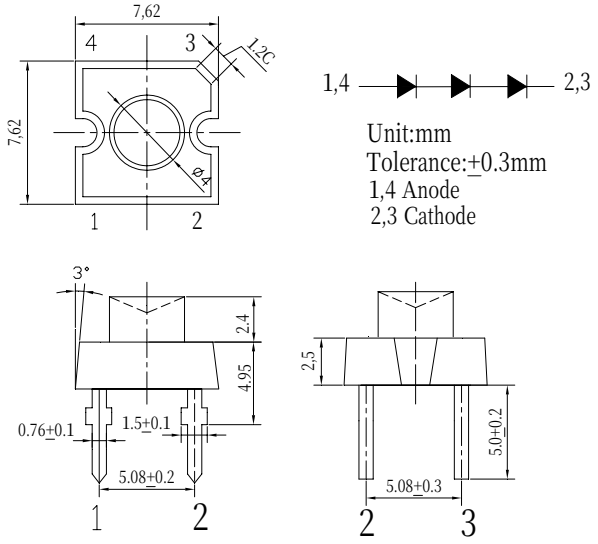
▪Features

- High Luminous Super Flux Output
- 4 ø Concave Standard Directivity
- Superior Weather-resistance
- UV Resistant Epoxy
- Water Clear Type

▪Applications

- Traffic Signal
- Backlighting
- Automotive lighting
- Other Lighting

▪Outline Dimension

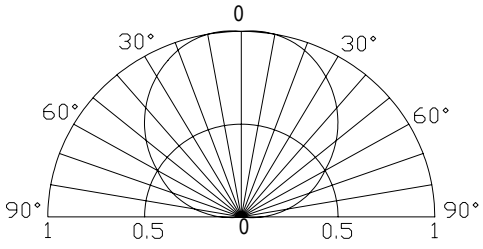


▪Absolute Maximum Rating (Ta=25℃)

Item	Symbol	Value	Unit
DC Forward Current	I_F	30	mA
Pulse Forward Current*	I_{FP}	120	mA
Reverse Voltage	V_R	5	V
Power Dissipation	P_D	234	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	V_F	I_F=20mA	5.4	6.3	7.8	V
DC Reverse Current	I_R	V_R=5V	-	-	10	μA
Domi. Wavelength*	λ_D	I_F=20mA	620	625	630	nm
Luminous Flux	Φv	I_F=20mA	10	11.5	-	lm
Luminous Intensity*	Iv	I_F=20mA	3000	3500	-	mcd
50% Power Angle	$2\theta_{1/2}$	I_F=20mA	-	120	-	deg

*1 Tolerance of dominant wavelength is ±1nm

*2 Tolerance of luminous intensity is ±15%

LED & Application Technologies

ATTENTION
OBSERVE PRECAUTIONS
ELECTROSTATIC
SENSITIVE DEVICES