OptoSupply
Light It Up

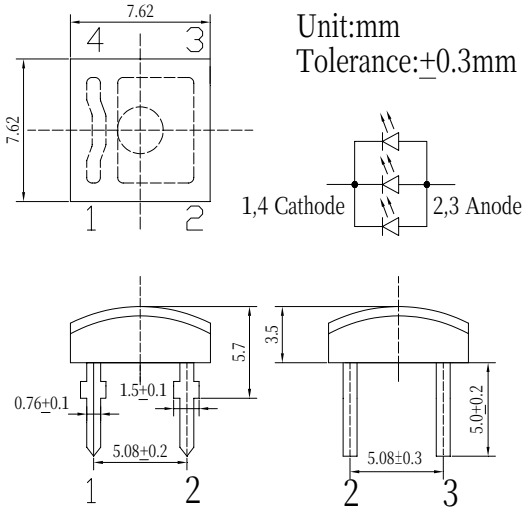
Super Flux Yellow LED

OS5YKEZ4E1P

▪Features

- High Luminous Super Flux Output
- Superior Weather-resistance
- UV Resistant Epoxy
- Water Clear Type

▪Outline Dimension



▪Applications

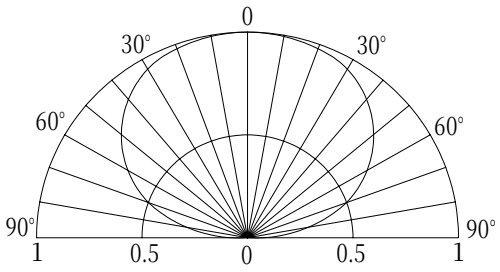
- Automotive Dashboard Lighting
- Traffic Signal Lamp
- Back Lighting
- Other Lighting

▪Absolute Maximum Rating (Ta=25℃)

Item	Symbol	Value	Unit
DC Forward Current	I_F	90	mA
Pulse Forward Current*	I_{FP}	200	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=90mA	1.9	2.2	2.6	V
DC Reverse Current	I_R	V_R=5V	-	-	30	μA
Domi. Wavelength	λ_D	I_F=90mA	585	590	595	nm
Luminous Intensity	Iv	I_F=90mA	5800	8000	-	mcd
50% Power Angle	$2\theta_{1/2}$	I_F=90mA	-	140	-	deg

*1 Tolerance of dominant wavelength is ±1nm
*2 Tolerance of luminous intensity is ±15%