

Super Flux Red LED

L9451KRC

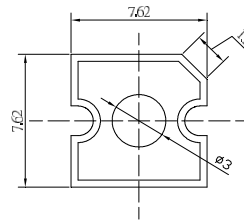
■Features

- High Luminous Super Flux Output
- 3 ø Standard Directivity
- UV Resistant Epoxy
- Water Clear Type

■Applications

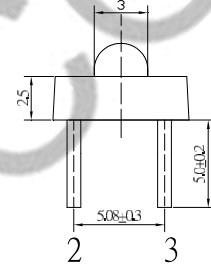
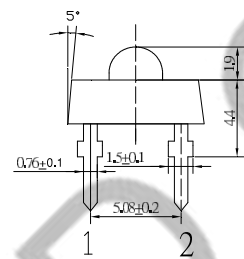
- Traffic Signal
- Backlighting
- Signal And Channel Letter
- Other Lighting

■Outline Dimension



Unit:mm
Tolerance:±0.3mm

1,4 Anode
2,3 Cathode

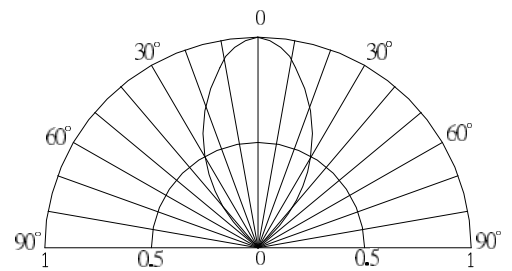


■Absolute Maximum Rating

(Ta=25°C)

Item	Symbol	Value	Unit
DC Forward Current	I _F	30	mA
Pulse Forward Current#	I _{FP}	100	mA
Reverse Voltage	V _R	5	V
Power Dissipation	P _D	78	mW
Operating Temperature	T _{opr}	-30 ~ +85	°C
Storage Temperature	T _{stg}	-40 ~ +100	°C
Lead Soldering Temperature	T _{sol}	260°C/5sec	-

■Directivity



#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 =20mA	1.8	2.1	2.6	V
DC Reverse Current	I _R	V _R =5V	-	-	10	μA
Domi. Wavelength*	λ _D	I _F =20mA	620	625	630	nm
Luminous Intensity*	I _v	I _F =20mA	1500	2000	-	mcd
50% Power Angle	2θ _{1/2}	I _F =20mA	-	60	-	deg

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

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

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