

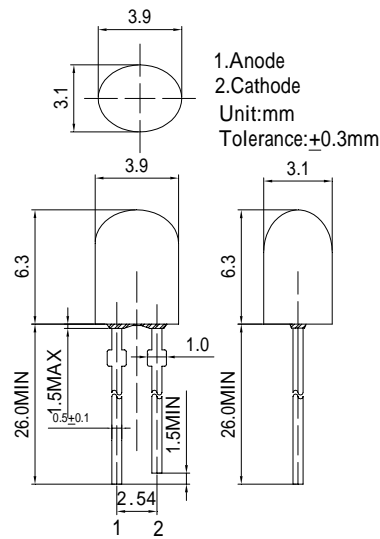
Features

- High Luminous LEDs
- 3.9x3.1mm Standard Directivity
- Superior Weather-resistance
- UV Resistant Epoxy
- Water Clear Type

Applications

- Traffic Signal
- Backlighting
- Signal and channel letter
- Other Lighting

Outline Dimension



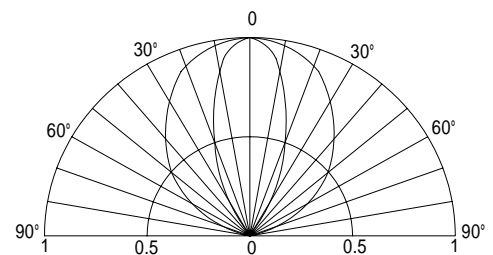
Absolute Maximum Rating

($T_a=25^\circ\text{C}$)

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	120	mW
Operating Temperature	T_{opr}	-30 ~ +85	
Storage Temperature	T_{stg}	-40 ~ +100	
Lead Soldering Temperature	T_{sol}	260 / 5sec	-

*Pulse width Max.10ms Duty ratio max 1/10

Directivity



Electrical -Optical Characteristics

($T_a=25^\circ\text{C}$)

Item	Symbol	Condition	Min.	Typ.	Max.	Unit
DC Forward Voltage	V_F	$I_F=20\text{mA}$	1.8	2.1	2.4	V
DC Reverse Current	I_R	$V_R=5\text{V}$	-	-	10	μA
Domi. Wavelength*	λ_D	$I_F=20\text{mA}$	619	624	629	nm
Luminous Intensity*	I_v	$I_F=20\text{mA}$	-	2500	-	mcd
50% Power Angle	$2\theta_{1/2}$	$I_F=20\text{mA}$	-	100/40	-	deg

*1 Tolerance of dominant wavelength is $\pm 1\text{nm}$

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

Maximum Forward Current

Maximum Permissible Forward Current $T_J=115^\circ\text{C}$

