

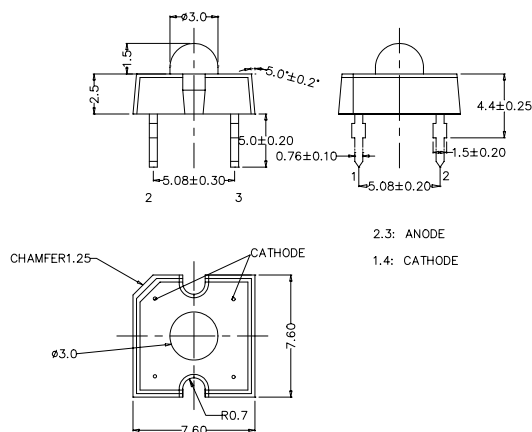
■Features

- Super Flux Output
- Water Clear Type
- Superior Weather-resistance
- Design For High Current Operation.

■Applications

- Automotive Dashboard Lighting
- Traffic signal lamp
- Other Exterior Lighting

■Outline Dimension



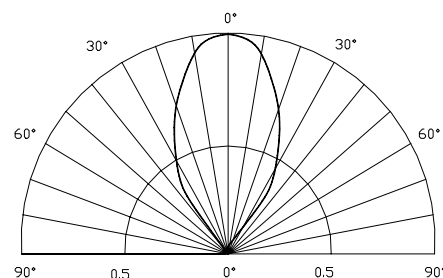
■Absolute Maximum Rating (Ta=25°C)

Item	Symbol	Value	Unit
DC Forward Current	I_F	100	mA
Pulse Forward Current[1]	I_{FP}	200	mA
Reverse Voltage	V_R	5	V
Power Dissipation	P_D	180	mW
Operating Temperature	T_{opr}	-40 ~ +95	°C
Storage Temperature	T_{stg}	-40 ~ +100	°C
Lead Soldering Temperature[2]	T_{sol}	260°C/5sec	-

Notes: 1. Pulse width Max.10ms Duty ratio max 1/10.

2.2mm below package base.

■Directivity



■Electrical -Optical Characteristics (Ta=25°C)

Item	Symbol	Condition	Min.	Typ.	Max.	Unit
DC Forward Voltage	V_F	$I_F=20mA$	1.8	2.0	2.4	V
DC Reverse Current	I_R	$V_R=5V$	-	-	30	μA
Domi. Wavelength	λ_D	$I_F=20mA$	620	625	630	nm
Luminous Intensity	I_v	$I_F=20mA$ $I_F=70mA$	1120 *3000	1560 *4200	2500 *5800	mcd
50% Power Angle	$2\theta_{1/2}$	$I_F=20mA$	-	60	-	deg

Notes:

1. * Luminous Intensity with asterisk measured at 70mA.
2. Drive current between 10 mA and 30 mA are recommended for long term performance
3. Operation at current below 10 mA is not recommended