

■ Description

This revolutionary package design allows the lighting designer to reduce the number of LED required and provide a more uniform and unique illuminated appearance than with other LED solutions.

This is possible through the efficient optical package design and high-current capabilities.

■ Features

- High Flux Output.
- Low Thermal Resistance.
- Low Profile.

■ Applications

- Indicator.
- General use.

■ Absolute Maximum Ratings (at Ta=25°C)

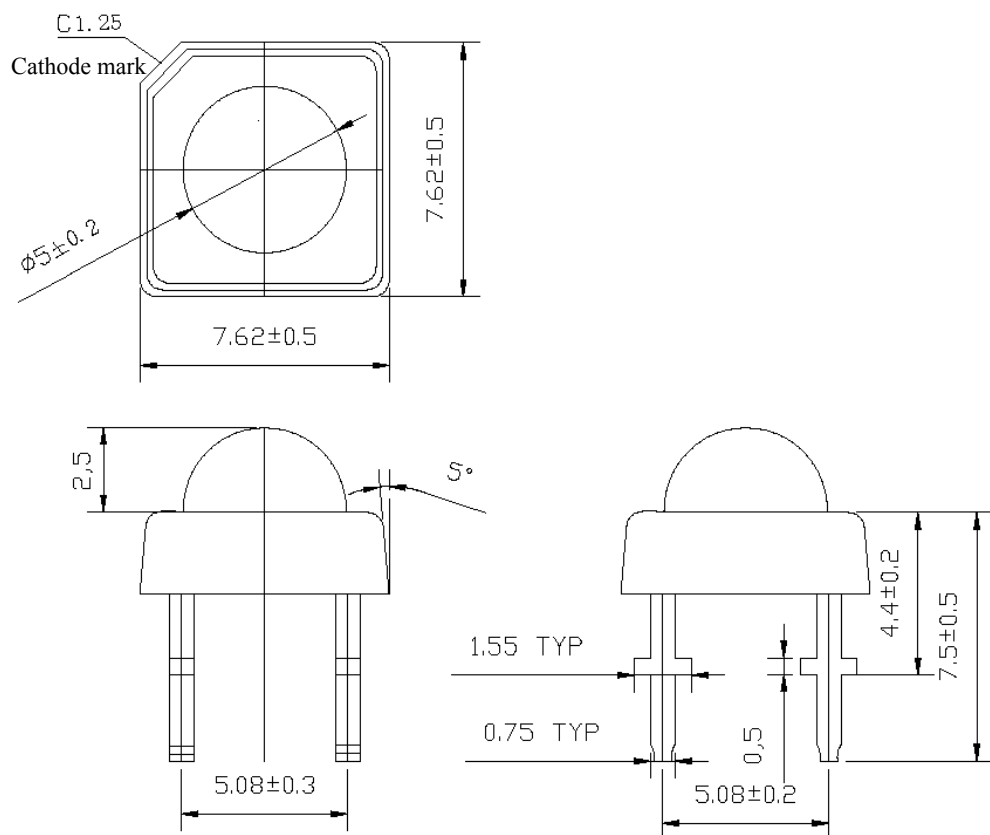
Parameter	Symbol	Maximum Rating	Unit
Power Dissipation	P _D	120	mW
Forward Current	I _F	25	mA
Peak Forward Current (Pulse width ≤ 100 μS duty ≤ 1/10)	I _{FP}	100	mA
Reverse Voltage	V _R	5	V
Operation Temperature	Topr	-25 ~ +85	°C
Storage Temperature	Tstg	-40 ~ +100	°C
Electrostatic Discharge	ESD	150	V
Lead Soldering Temperature (2mm from the case t ≤ 5S)	Tsol	260	°C

Basic Characteristics

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

Parameter	Symbol	Condition	Min.	Typ.	Max.	Unit
Forward Voltage	V_F	$I_F=20\text{mA}$	--	3.2	4.0	V
Reverse Current	I_R	$V_R=5\text{V}$	--	--	50	μA
Dominant Wavelength	λ_D	$I_F=20\text{mA}$	--	470	--	nm
Peak Wavelength	λ_P	$I_F=20\text{mA}$	--	468	--	nm
Spectral Bandwidth	$\Delta\lambda$	$I_F=20\text{mA}$		35	--	nm
Luminous Intensity	I_V	$I_F=20\text{mA}$		1400	1800-	mcd
50% View Angle	$2\theta_{1/2}$	$I_F=20\text{mA}$		90	--	deg

Package Dimensions



Notes: without special declared, the tolerance is $\pm 0.25\text{mm}$

