

Features:

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

Applications

- Electronic Signs And Signals
- Small Area Illuminations
- Back Lighting
- Other Lighting

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	15	V
Power dissipation	P_D	234	mW
Operating temperature	T_{opr}	-30 to +85	°C
Storage temperature	T_{stg}	-40 to +100	°C
Lead soldering temperature	T_{sol}	260°C/5sec	—

*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	$I_F = 20\text{mA}$	5.4	6.3	7.8	V
DC reverse current	I_R	$V_R = 15\text{V}$	—	—	10	μA
Dominant wavelength	λ_D	$I_F = 20\text{mA}$	620	625	630	nm
Luminous intensity	I_V	$I_F = 20\text{mA}$	2500	3500	—	mcd
50% Power angle	$2\theta_{1/2}$	$I_F = 20\text{mA}$	—	140	—	deg

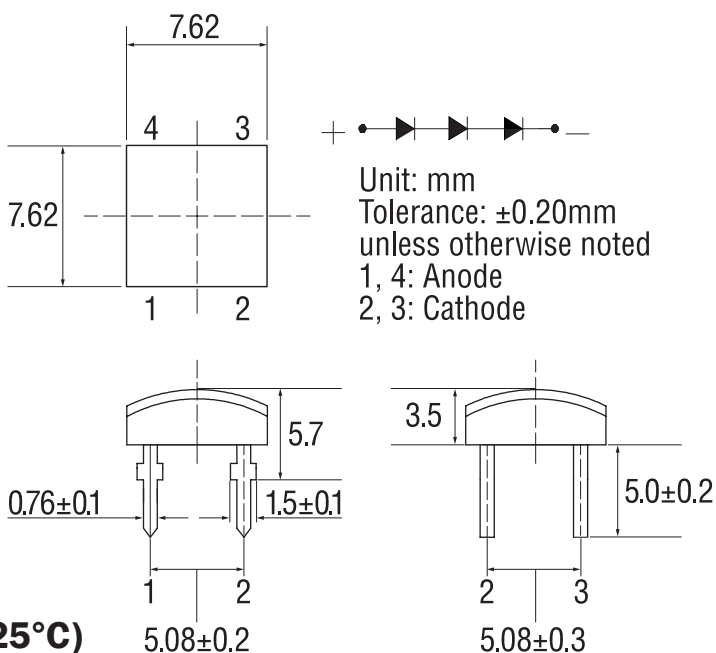
*1 Tolerance of measurements of dominant wavelength is +1nm

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

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



Outline dimensions:



Directivity:

