

Features:

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

Applications

- General Purpose Indicators
- Small Area Illuminations
- Back Lighting
- Other Lighting

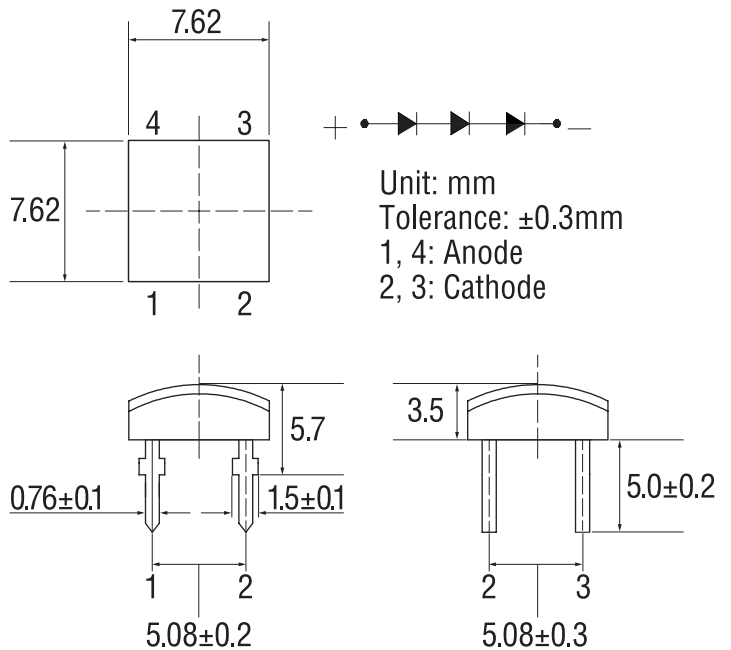


Absolute maximum rating (Ta=25°C)

Item	Symbol	Value	Unit
DC forward current	I_F	50	mA
Pulse forward current*	I_{FP}	100	mA
Reverse voltage	V_R	15	V
Power dissipation	P_D	450	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

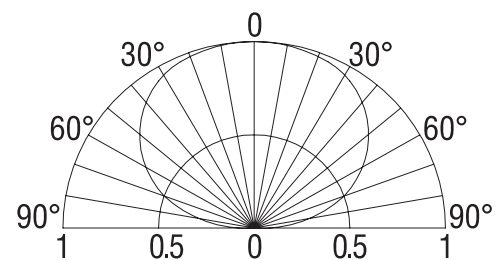
Outline dimensions:



Electrical - Optical characteristics (Ta=25°C)

Item	Symbol	Condition	Min.	Typ.	Max.	Unit
DC forward voltage	V_F	$I_F = 30\text{mA}$	8.9	9.3	10.8	V
DC reverse current	I_R	$V_R = 15\text{V}$	-	-	10	μA
Luminous flux*	Φ_V	$I_F = 30\text{mA}$	-	25	-	lm
Luminous intensity*	I_V	$I_F = 30\text{mA}$	5500	7500	-	mcd
Colour temperature	CTT	$I_F = 30\text{mA}$	-	3000	-	K
Chromaticity coordinates*	x	$I_F = 30\text{mA}$	-	0.45	-	
	y	$I_F = 30\text{mA}$	-	0.41	-	
50% Power angle	$2\theta_{1/2}$	$I_F = 30\text{mA}$	-	140	-	deg

Directivity:



*1 Tolerance of measurements of chromaticity coordinate is +10%

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

*3 Tolerance of measurements of forward voltage is $\pm 0.1\text{V}$