

BLUE LIGHT EMITTING DIODE

UB-510CWH

1. Features

1-1. The radiation substrate material is

InGaN

1-2. Available for pulse operating

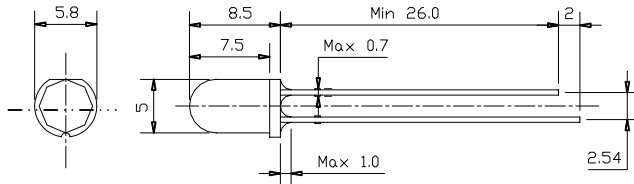
2. Applications

2-1. Electronic signs and signals

2-2. Small area illumination

2-3. Back-light

2-4. Indicator



*NOTE 1. All dimensions in "mm"

3. Absolute Maximum Ratings (Ta=25°C)

Item	Symbol	Rating	Unit
Reverse Voltage	V_R	5	V
Forward Current	I_F	30	mA
Pulse Forward Current* ¹	I_{FP}	100	mA
Power Dissipation	P_D	125	mW
LED Junction Temperature	T_j	100	°C
Operating Temperature	T_{opr}	-25~+80	°C
Storage Temperature	T_{stg}	-30~+100	°C

*¹ $t_w=100\mu\text{sec}$, $T=10\text{msec}$

4. Electro-Optical Characteristics (Ta=25°C)

Item	Symbol	Condition	Min	Typ	Max	Unit
Forward Voltage	V_F	$I_F=20\text{mA}$		3.5	4.0	V
Reverse Current	I_R	$V_R=5\text{V}$			50	μA
Luminous Intensity	I_V	$I_F=20\text{mA}$		2500		mcd
Peak Wavelength	λ_p	$I_F=20\text{mA}$		470		nm
Capacitance	C_t	$f=1\text{MHz}$		40		pF
Angle				20		deg.

5. Notes

UB-□□□□□ LEDs are class 1 ESD sensitive.

Please observe appropriate precautions handling and processing.