

# YELLOW LIGHT EMITTING DIODE

## LAM-510CWU

### 1. Features

1-1. The radiation substrate material is

AllnGaP

1-2. Available for pulse operating

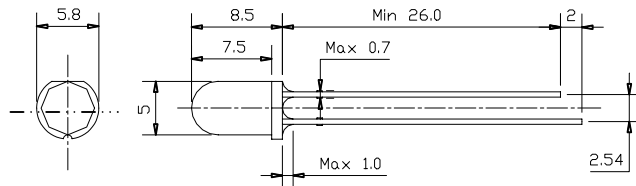
### 2. Applications

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	$V_R$	4	V
Forward Current	$I_F$	50	mA
Pulse Forward Current* <sup>1</sup>	$I_{FP}$	100	mA
Power Dissipation	$P_D$	125	mW
LED Junction Temperature	$T_j$	125	°C
Operating Temperature	$T_{opr}$	-35~+85	°C
Storage Temperature	$T_{stg}$	-40~+120	°C

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

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

Item	Symbol	Condition	Min	Typ	Max	Unit
Forward Voltage	$V_F$	$I_F=20\text{mA}$		1.97	2.3	V
Reverse Current	$I_R$	$V_R=5\text{V}$			50	$\mu\text{A}$
Luminous Intensity	$I_V$	$I_F=20\text{mA}$		2500		mcd
Peak Wavelength	$\lambda_p$	$I_F=20\text{mA}$		591		nm
Capacitance	$C_t$	$f=1\text{MHz}$		40		pF
Angle				30		deg.

### 5. Notes

LAM-□□□□□□ LEDs are class 2 ESD sensitive.

Please observe appropriate precautions handling and processing.

