

**■Features**

- 0.1mm Enamelled copper wire, length  $250 \pm 5$ mm
- Super high brightness of surface mount LED
- Sorting for  $I_v$  and  $V_f$  @ 5mA of  $I_f$
- Compact package outline  
(LxWxT) of 1.6mm x 0.8mm x 0.6mm
- Compatible to IR reflow soldering.
- Water Clear Lens Type

**■Applications**

- Backlighting (switches, keys, etc.)
- Marker lights (e.g. steps, exit ways, etc.)

**■Absolute Maximum Rating (Ta=25°C)**

Item	Symbol	Value	Unit
DC Forward Current	$I_F$	20	mA
Pulse Forward Current*	$I_{FP}$	100	mA
Reverse Voltage	$V_R$	5	V
Power Dissipation	$P_D$	68	mW
Operating Temperature	$T_{opr}$	-40 ~ +85	°C
Storage Temperature	$T_{stg}$	-40 ~ +85	°C
Lead Soldering Temperature	$T_{sol}$	260°C/10sec	-

\*Pulse width Max 0.1ms, Duty ratio max 1/10

**■Electrical -Optical Characteristics (Ta=25°C)**

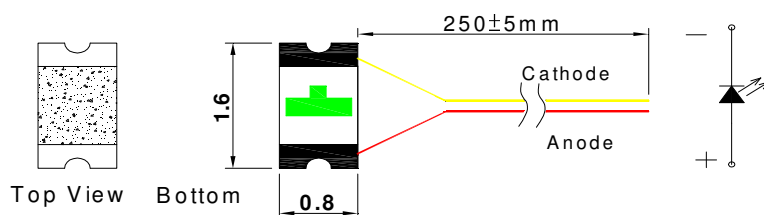
Item	Symbol	Condition	Min.	Typ.	Max.	Unit
DC Forward Voltage	$V_F$	$I_F=5mA$	2.4	2.6	3.4	V
DC Reverse Current	$I_R$	$V_R=5V$	-	-	10	μA
Domi. Wavelength*	$\lambda_D$	$I_F=5mA$	500	505	510	nm
Luminous Intensity*	$I_v$	$I_F=5mA$	250	300	-	mcd
50% Power Angle	$2\theta_{1/2}$	$I_F=5mA$	-	120	-	deg

\*1 Tolerance of measurements of dominant wavelength is  $\pm 1$ nm

\*2 Tolerance of measurements of luminous intensity is  $\pm 15\%$

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

**■Outline Dimension**



Notes: 1. All dimensions are in millimeters ;  
2. Tolerance is  $\pm 0.10$  mm unless otherwise noted.

**■Directivity**

