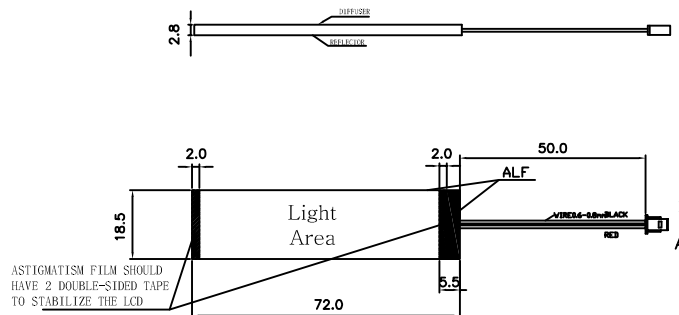


## 1. MECHANICAL OUTLINE

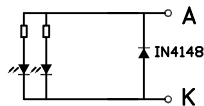
COLOR : GREEN



(Unspecified Tolerances is  $\pm 0.3$ )



## 2. CIRCUIT DIAGRAM (LED 1X2=2 SMD dies)



## 3. STORAGE & SOLDERING CONDITIONS:

- Store with care. Storing the units in bad condition will cause the reflector sheet and decrease its adhesive power. Storage The products under the condition: temperature ( $25^{\circ}\text{C} \pm 10^{\circ}\text{C}$ ) and humidity ( $65\%RH \pm 20\%RH$ ) our recommendation.
- The Soldering Temperature is  $260 \pm 5^{\circ}\text{C}$  and Soldering Time should be less than 3 sec, and soldering iron power should be less than 30W.
- The soldering point should be farther than 1.6mm ( $1/10''$ ) from body .
- The product is sensitive to static electricity, So it's necessary to take proper steps when storing and soldering.

2					DESIGN:
1					CHECKED:
ISSUE	AMENDMENT	DATE			COUNTERSIGN:
DRAWING NO.: JAZZ-DE-G		REV: A0	SHEET: 1 OF 2	DATE: 2013.8.13	APPROVED:

4. ABSOLUTE MAXIMUM RATINGS (SINGLE LED)  
(Unless specified, The Ambient temperature Ta=25°C)

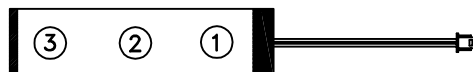
Item	Symbol	Conditions	Rating	Unit
* Absolute maximum forward current	Ifm		25	mA
* Peak forward current	Ifp	1 msec Plus 10% Duty Cycle	60	mA
Reverse Voltage	Vr		5	V
* Power dissipation	Pd		50	mW
Operating Temperature Range	Topr		-30~+70°C	°C
Storage Temperature Range	Tstg		-40~+80°C	°C

\* For operation above 25°C, The Ifm Ifp & Pd must be derated, the Current derating is -0.36 mA/°c for DC drive and -0.86 mA/°c for Pulse drive, the Power dissipation is -0.75 mW/°c. The product working current must not more than the 60 % of the Ifm or Ifp according to the working temperature.

5. ELECTRICAL-OPTICAL CHARACTERISTICS  
(Unless specified, The Ambient temperature Ta=25°C)

Item	Symbol	min.	typ.	max.	Unit	Condition
Forward Voltage	Vf	3.1	3.3	3.5	V	If= 30 mA
Reverse Current	Ir			10	Am	Vr= 0.8 V
Peak wave length	$\lambda_p$	518	524	530	nm	If= 30 mA
Spectral Line Half width	$\Delta\lambda$		20		nm	If= 30 mA
* Luminance	Lv				cd/m <sup>2</sup>	If= 30 mA

\* The luminance is the average value of 3 points, and, The Lvmax./Lvmin. is 1.3 max. The measurement instrument is ST-86LA luminance colorimeter. The caperture is  $\phi$  5 mm.



DESIGN:  
CHECKED:  
COUNTERSIGN:

APPROVED: