ORIENT DISPLAY

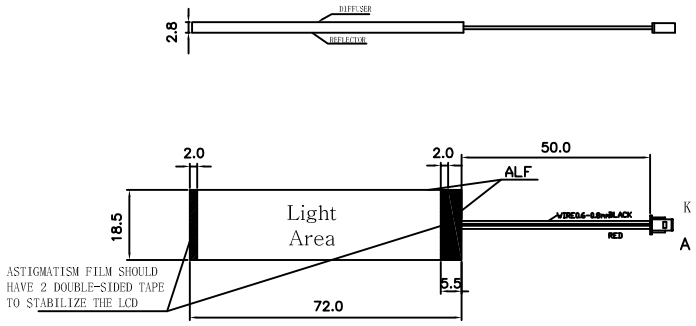
JAZZ-DE-Y

LED BACKLIGHT
FOR LCD DISPLAY

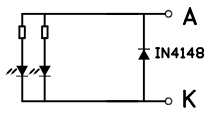
1. MECHANICAL OUTLINE

COLOR : YELLOW GREEN

(Unspecified Tolerances is ± 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 it's adhesive power. Storage The products under the condition: temperature (25°c ±10°C) and humidity (65%RH±20%RH) our recommendation.
- The Soldering Temperature is 260±5°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-Y		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 Curent 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 ir Ifp according to the working temperature.

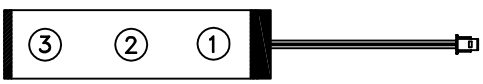
5. ELECTRICAL-OPTICAL CHARACTERISTICS

(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	λρ	565	570	575	nm	If= 30 mA
Spectral Line Half width	△λ		20		nm	If= 30 mA
* Luminance	Lv				cd/m²	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 ø 5 mm.



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