PRODUCT DRAWING		CUSTOMER NO.:						
		FILENAME:	REVISION:	В				
DR	AWING OF TB1013S	ORIGINAL 13 May 2005 DATE:	TOTAL PAG	ES: 3				
	INITIATE		EFFECTIVE	DATE:				
\bigvee	REVISE							
	REV	/ISIONS						
REV	DESC	CRIPTION		DATE				
A B	Change to single side with LEDS and Change parameter.	nd parameter.		24 DEC 2005 21 MAY 2006				
ORIGINA	TOR	DESIGN MGR.						



Please sign and fax back this page to confirm this drawing. Please indicate if you need samples.

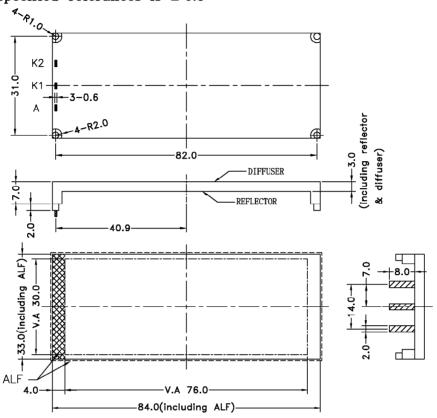
Authorized Signatures

LED BACKLIGHT FOR LCD DISPLAY

REV. B

1. MECHANICAL OUTLINE

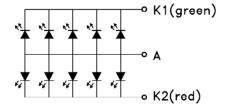
Unspecified Tolerances is ± 0.3



COLOR: Green + Red

2. CIRCUIT DIAGRAM (LED

 $2\times5=10$ 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°CRH±20°CRH) 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.

Designed by:	Checked by:	File name:	Unit:	Sheet:
			mm	2 of 3

LED BACKLIGHT FOR LCD DISPLAY

4. ABSOLUTE MAXIMUM RATINGS

REV. B

Unless specified, The Ambient temperature Ta=25°C

71	G 1 1	G 3:1:	Rating		
Item	Symbel	Conditions	(R)	(G)	${f Unit}$
* Absolute maximum forward current	Ifm		125	125	mA
* Peak forward current	Ifp	1 msec Plus 10% Duty Cycle	300	300	mA
Reverse Voltage	Vr		5	5	v
* Power dissipation	Pd		250	400	$\mathbf{m} \mathbb{W}$
Operating Temperature Range	Topr		-30~+70°C		°C
Storage Temperature Range	Tstg		-40~+80°C		°C

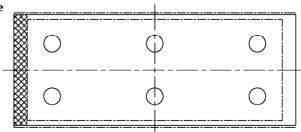
For operation above 25°C, The Ifm Ifp & Pd must be derated, the Curent derating is -1.8X2 mA/°c for DC drive and -4.3X2 mA/°c for Pulse drive, the Power dissipation is -3.75X2 mW/°c. The product working current must not more than the 60 % of the Ifm ir Ifp according to the working temperature.

5. ELECTRICAL-OPTICAL CHARACTERISTICS

Unless specified, The Ambient temperature Ta=25°C

		(Red)		(Green)					
Item	Symbol	min.	typ.	max.	min.	typ.	max.	Unit	Condition
Forward Voltage	Vf	1.9	2.05	2.2	3	3.3	3.6	v	If = 80X2mA
Reverse Current	Ir			100			100	μ A	Vr= 5 V
Peak wave length	λρ		630			525		nm	If=80X2mA
Spectral Line Half width	Δλ		20			30		nm	If=80X2mA
* Luminance	Lv							$ m cd/m^2$	If=80X2mA

The luminance is the average value of 6 points, and The Lvmax./Lvmin. is less than 1.5 Typical (max 1.7). The measurement instrument is BM-7 luminance Colorimeter.The aperture is \emptyset 5 mm.



Designed by:	Checked by:	File name:	Unit:	Sheet:
			$\mathbf{m}\mathbf{m}$	3 of 3