产 品 承 认 书
APPROVED SHEET

客 户 Customer	
品 名 Product	LED BACK LIGHT
产品型号 Part No	YD8498W
客户型号 Customer No	

随本承认书提供该产品的设计及技术参数
Provide the product's design and technical character with the file.
附样品(Sample)：__4__件(Pcs)

核 准 Approved By		拟 定 Prepared By	
客户承认 Customer Approved	采 购 Purchase	工 程 Engineer	品 保 Q.C

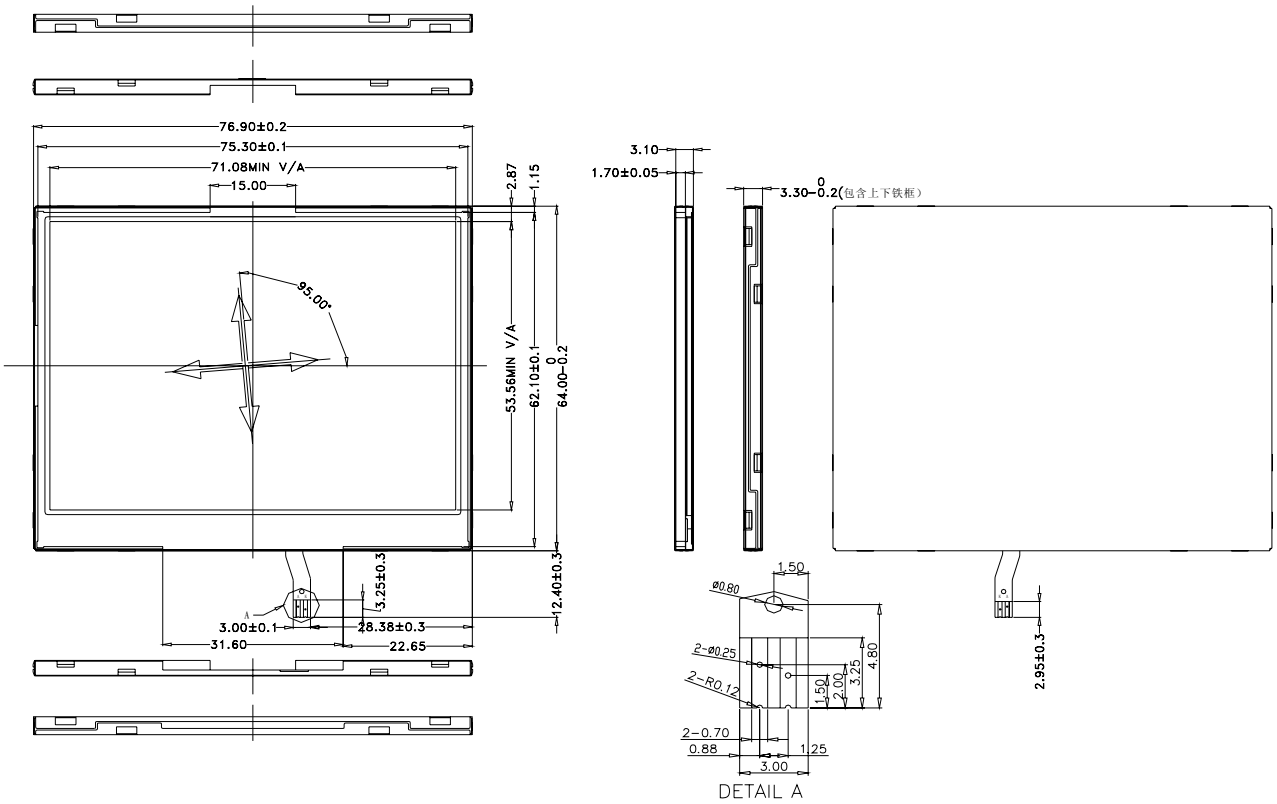
Rev	Date	ECN or QCN.No	Description of Change	Issue	Check	Remark
00	2008-12-6		新增			

DATA SHEET

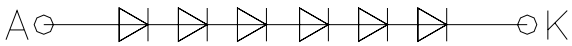
YD8498W

1. 结构尺寸 MECHANICAL OUTLINE(未注尺寸公差 Unspecified Tolerances is ±0.2)

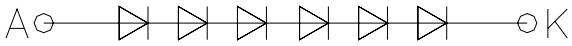
颜色：白色 Color：WHILE



2. 电路原理图 CIRCUIT DIAGRAM

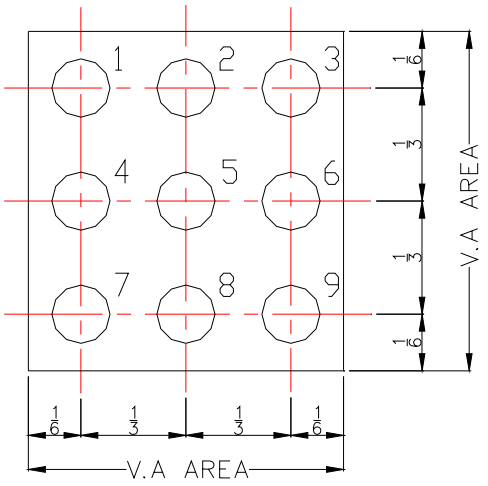


3. 测试方法 TEST METHOD



4.测试位置 TEST POSITION

Index (1) 辉度= (min/max)× 100%



5. 光电特性 ELECTRICAL/OPTICAL CHARACTERISTCS

(除非特别说明,环境温度 T=25℃， Unless specified, The Ambient temperature T=25℃)

项目 Item	符号 Symbol	最小值 min	典型值 typ	最大值 max	单位 Unit	测试条件 Condition
正向电压 Forward Voltage	V_F	18	20．4	21．5	V	If=15mA
反向电流 Reverse Current	Ir			40	uA	Vr=5V/SMD
色坐标 Chromaticity Coordinates	X	0.26	0.27	0.31		If=15mA
	Y	0.26	0.28	0.31		
亮度 Luminance	Lv	3000	3300		cd/㎡	If=15mA
均匀度 Uniformity	%	80				If=15mA

6. 极限参数 ABSOLUTE MAXIMUM RATINGS

(除非特别说明,环境温度 T=25℃. Unless specified,The Ambient temperature T=25℃)

项目 Item	符号 Symbol	条件 Condition	值 Rating	单位 Unit
反向电压 Reverse Voltage	V_R		5	V
正向电流 Forward current	I_{FM}		25	mA
正向脉冲电流 Peak forward current	I_{FP}	Duty 1/10 pulse,width 0.1 ms 占空比 1/10,脉冲宽度 0.1ms	75	mA
极限功耗 Power description	Pd		537．5	mW
工作温度 Operating temperature	Topr		-30℃~+70℃	℃
贮存温度 Storage temperature	Tstg		-40℃~+80℃	℃

* 当工作温度高于 25℃时,I_F 必然降低；电流降低率是 6*0.4mA/℃(直流驱动).

For operation above 25℃,The I_F must be derated , the Current derating is 6*0.4mA/℃ for DC drive.

7. 保存和焊接条件 STORAGE & SOLDERING CONDITIONS：

• 注意: 保存条件不好时,会降低反光膜(扩散膜)与导光片(反射壳)的粘附附力. 推荐保存条件为：温度:25±10℃ 湿度：65%±20%RH)。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 for our recommendation is: temperature 25±10℃ and humidity 65%±20%RH ..

• 焊接温度 260℃±5℃,焊接时间小于 3 秒,烙铁功率小于 30W。 The soldering temperature is 260℃±5℃ and Soldering time should be less than 3 sec, and soldering iron power should be less than 30W.

• 焊接点应离产品实体大于 1.6mm.。 The soldering point should be farther than 1.6mm from body.

8. 静电损伤与防护 (Static electricity damage)

■ 静电与电冲击将损坏光产品，在处理产品时推荐使用静电手环、手指套.(Static electricity and surge will damage the LEDs. It is recommended to use a wrist band or anti-electrostatic glove when handing the Leds)

■ 所有设备仪器机器外壳必须牢靠地接地.(All devices , equipment and machinery must be properly grounded)

■ 在检查背光源产品的 LED 是否被静电损坏时, 可在低电流下(一般推荐 1mA 以下)点亮 LED, 若发现不亮或亮度很低, 则说明 LED 很可能已被损坏. 被损坏的 LED 呈现的特性还有:反向漏电流增大、正向电压偏低(When inspecting own final products on which LEDs were mounted, it it recommended to check also whether the mounted LEDs are damaged by static electricity or not. It is easy to find static-dimaged LEDs by light emission test at lower current (below 1mA is recommended).Damaged LEDs will show some unusual characteristics such as leak current remarkably increases , starting forward voltage becomes lower)

9. 信赖度试验(Reliability Test)

Test Item	Reference Standard	Test Condtion	Duration	Sample size	Defect
Life Test		T=25℃ IF=15mA	1000hrs	10	0
Low Temperature Storage		T=-40℃	1000hrs	22	0
High Temperature Storage		T=80℃	1000hrs	22	0
High humidty and high temperature storage		T= 70℃ RH=85%	500hrs	22	0
High humidty and high temperature test		T= 70℃ RH=85% IF=7.5mA	500hrs	10	0

10. 环保材料说明

本产品符合欧盟 RoHS 指令要求. This product accord with EU RoHS.

	样 品 尺 寸 检 测 报 告	编　　号：FR-723-105 版　　次：　　V00

案件号		样品型号	YD8498W	日　　期	2008-12-19

尺寸代码	规格尺寸	实　　测　　尺　　寸						
		样品 1	样品 2	样品 3	样品 4	样品 5	判定结果	备　注
A	76.90±0.2	76.94	76.94	76.98	77.04	77.02	OK	
B	75.30±0.1	75.20	75.32	75.20	75.26	75.20	OK	
C	71.08MIN	71.35	71.50	71.30	71.28	71.96	OK	
D	64.00+0/-0.2	63.92	63.86	64.00	63.92	63.89	OK	
E	62.10±0.1	62.02	62.00	62.12	62.04	62.08	OK	
F	53.56IN	54.00	53.90	54.10	53.94	53.70	OK	
G	3.10±0.2	3.14	3.08	3.04	3.12	3.10	OK	
H	1.70±0.05	1.68	1.67	1.70	1.74	1.72	OK	
I								
J								
K								
L								
M								
N								
O								
P								
Q								
R								
S								
T								
U								
V								
W								
X								
Y								
Z								
结论	OK							

测量:　　审核:　　核准:

样品光电特性检测报告

编　　号：FR-723-106
版　　次：　　A

案件号	R347	样品型号	YD8498W	检测日期	2008-12-19

1.亮度及均匀度(亮度单位:cd/m²)

位置点	样品 1	样品 2	样品 3	样品 4						
1	3689	3691	3805	3446						
2	4049	3929	4089	3934						
3	3687	3501	3726	3716						
4	3632	3746	3889	3716						
5	3772	3802	3990	3937						
6	3541	3531	3684	3672						
7	3763	3866	3999	3847						
8	4018	3181	4127	4137						
9	3810	3819	3952	3997						
10										
平均亮度	3773	3674	3909	3824						
均匀度%	87	81	89	83						

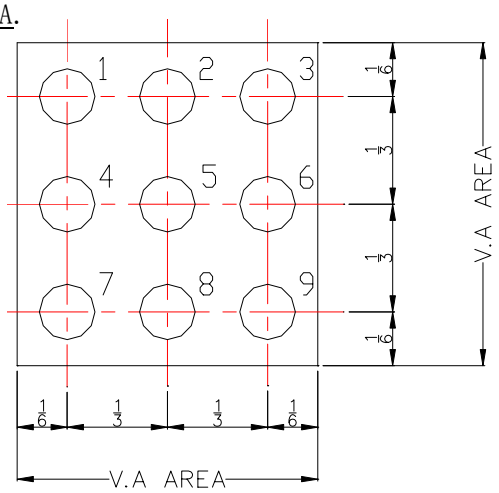
色坐标值：

	样品 1	样品 2	样品 3	样品 4						
X	0.2798	0.2785	0.2767	0.2797						
Y	0.2895	0.2887	0.2822	0.2910						

备注：1).均匀度= 亮度最小值/亮度最大值 X 100%.

2). 检测方法：如下图 9 点，BM-7 使用 1° 测试点，距离发光面 500mm+/-20mm 测试.

3).测试条件：定电流 15mA.



2.电性测试

项目	单位	测试条件	1#	2#	3#	4#	5#						平均
Vf	V	If=15mA	18．06	08．00	18．03	18．06							

3．结论：光电测试 OK。

检测：_　　审核：　　核准：_____