



# ORIENT DISPLAY

Your Total LCD Solution Provider

## Specification for LED Backlight

### JAZZ-AE-B

Revision A



JAZZ	LED Backlight
AE	Serial AE, Dimension 71.20 X 48.50 X 5.20 mm
B	Blue
/	RoHS Compliant
/	Pair with <a href="#">Glass Panel JAZZ-AC</a>
/	Pair with <a href="#">Touch Panel JAZZ-AT</a>





**4. 极限参数 ABSOLUTE MAXIMUM RATINGS (SINGLE LED)**

 (除非特别说明, 环境温度 $T_a=25^{\circ}\text{C}$ . Unless specified, The Ambient temperature  $T_a=25^{\circ}\text{C}$ )

项目 Item	符号 Symbol	条件 Conditions	值 Rating	单位 Unit
* 极限直流正向电流 Absolute maximum forward current	Ifm		25	mA
* 脉冲驱动时极限正向电流 Peak forward current	Ifp	1 msec 脉冲, 1/10 占空比 1 msec Plus 10% Duty Cycle	60	mA
反向电压 Reverse Voltage	Vr		5	V
* 极限功耗 Power dissipation	Pd		50	mW
工作温度 Operating Temperature Range	Topr		-30~+70°C	°C
贮存温度 Storage Temperature Range	Tstg		-40~+80°C	°C

\* 当工作温度高于  $25^{\circ}\text{C}$  时, Ifm, Ifp 和 Pd 必须降低; 电流降低率是  $-0.36 \text{ mA}/^{\circ}\text{C}$  (直流驱动), 或  $-0.86 \text{ mA}/^{\circ}\text{C}$  (脉冲驱动), 功率降低率是  $-0.75 \text{ mW}/^{\circ}\text{C}$ . 产品工作电流不能大于对应的工作条件温度 Ifm 或 Ifp 的 60 %.

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

**5. 电光特性 ELECTRICAL-OPTICAL CHARACTERISTICS**

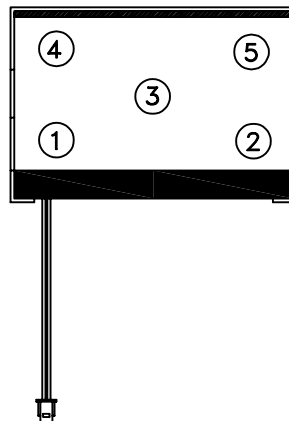
 (除非特别说明, 环境温度 $T_a=25^{\circ}\text{C}$ . Unless specified, The Ambient temperature  $T_a=25^{\circ}\text{C}$ )

项目 Item	符号 Symbol	最小值 min.	典型值 typ.	最大值 max.	单位 Unit	测定条件 Condition
正向电压 Forward Voltage	Vf		3.3		V	If= 60 mA
反向电流 Reverse Current	Ir			10	Am	Vr= 0.8 V
峰值波长 Peak wave length	$\lambda_p$	467.5		472.5	nm	If= 60 mA
频谱半宽度 Spectral Line Half width	$\Delta\lambda$		20		nm	If= 60 mA
* 亮度 Luminance	Lv				cd/m <sup>2</sup>	If= 60 mA

\* 亮度值是5个测量点的平均值, 亮度最大值比最小值一般小于等于1.3. 使用 ST-86LA 亮度计测量, 测量光圈  $\phi 5 \text{ mm}$ .

The luminance is the average value of 5 points, and, The Lvmax./Lvmin. is 1.3 max.

The measurement instrument is ST-86LA luminance Colorimeter. The caperture is  $\phi 5 \text{ mm}$ .



DESIGN:	RZK
设计	
CHECKED:	
检查	
COUNTERSIGN:	
会签	
APPROVED:	
批准	