



Specification for LED Backlight

JAZZ-BE-W

Revision A



JAZZ	LED Backlight
BE	Serial BE, Dimension 28.00 X 20.00 X 2.30 mm
W	White
/	RoHS Compliant
/	Pair with Glass Panel JAZZ-BC

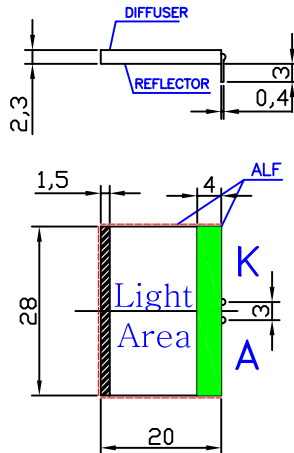


1. MECHANICAL OUTLINE

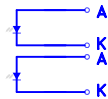
(Unspecified Tolerances is ± 0.3)

COLOR : WHITE

ROHS



2. CIRCUIT DIAGRAM (LED $1 \times 2 = 2$ 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 ($65\%\text{RH} \pm 20\%\text{RH}$) our recommendation.
- The Soldering Temperature is $300 \pm 5^{\circ}\text{C}$ 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: RZK
1						CHECKED:
ISSUE	AMENDMENT	DATE				COUNTERSIGN:
DRAWING NO.: JAZZ-BE-W		REV: A0	SHEET: 1 OF 2		DATE: 2009.11.7	APPROVED:

**4. ABSOLUTE MAXIMUM RATINGS (SINGLE LED)**(Unless specified, The Ambient temperature $T_a=25^{\circ}\text{C}$)

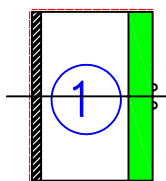
Item	Symbol	Conditions	Rating	Unit
* Absolute maximum forward current	Ifm		25	mA
* Peak forward current	Ifp	1 msec Plus 10% Duty Cycle	60	mA
Reverse Voltage	Vr		5	V
* Power dissipation	Pd		50	mW
Operating Temperature Range	Topr		$-30\sim+70^{\circ}\text{C}$	$^{\circ}\text{C}$
Storage Temperature Range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

- * For operation above 25°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. ELECTRICAL-OPTICAL CHARACTERISTICS(Unless specified, The Ambient temperature $T_a=25^{\circ}\text{C}$)

Item	Symbol	min.	typ.	max.	Unit	Condition
Forward Voltage	Vf	2.8	3.0	3.2	V	If= 12*2 mA
Reverse Current	Ir			10*2	μA	Vr= 5 V
Peak wave length	λ_p				nm	If= 12*2 mA
Spectral Line Half width	$\Delta\lambda$				nm	If= 12*2 mA
* Luminance	Lv				cd/m^2	If= 12*2 mA

- * The luminance is the average value of 1 points, and, The $L_{v\text{max.}}/L_{v\text{min.}}$ is 1.3 max. The measurement instrument is ST-86LA luminance Colorimeter. The aperture is $\phi 5\text{ mm}$.



DESIGN: RZK

CHECKED:

COUNTERSIGN: