XL-DZT502UYD1 F5 ǖ

[redacted] Technical Data Sheet

特点（characteristic）：

* :F5/11.3*15.0*10.3mm

Appearance dimension: F5/11.3*15.0*10.3mm

* ǖ ǫ̈ ǐ ʳ : / ʳ

Luminous color and colloid:yellow brightness White /yellow colloid

* Ḡ ج ˘ ROHS

Environmental protection products meet ROHS requirements

* ˆ MSL˜ :2

Moisture sensitivity level˜ MSL˜ : 2 levels

* EIA ‰´

EIA standard packaging

* ą ث

Long operating life

* à Ω ˗

High energy efficiency, fast startup

* ٧ ٨ ˗

Low voltage DC drive

应用领域（product application）：

* à à Ḥ;

Home appliances, digital, communication

*

Automotive Electronics

*

Lighting decoration

* ǐ

electronic toy

*

electronic clock

* ´

Traffic instructions

* ٧ ת ک

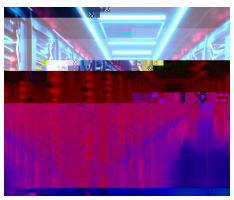
Medical beauty instruments

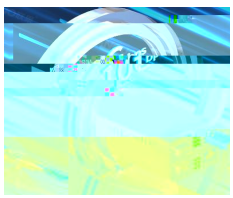
*

Electronic teaching equipment

* ˘ ˝ .

Urban lighting





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电性参数

Electrical Characteristics

ǻ ˆ Absolute Maximum Ratings˜ ˆ Ta=25 ˜

Parameter	Symbol	Rating	Unit
ʷ Consumed power	Pd	50	mW
ʰ Max Continuous Forward Current	**IF**	20	mA
ʰ ǁ Peak Forward Current	IFp	80	mA
ƀ Operating ambient temperature	Topr	-40ÁC ~ +85ÁC	
Ữ Storage ambient temperature	Tstg	-40ÁC ~ +85ÁC	
Ð Welding conditions	Tsol	ˆ reflow soldering˜ ˈ 240ÁC˜ ˅ 6s ˉ ˆ manual welding ˜ ˈ 300ÁC˜ 3s ʳ ضي2.0mm ɣ ̣ ̣ ̣	

ǫ̈ ǻ Initial Electrical Optical Characteristics ˆ Ta=25 ˜

ǻ Parameter	ˆ Symbol	ɣ Min.	ɯ̄ ɣ Typ.	ɣ Max.	ɿ β Unit	Ð Test conditions
ǖ ǫ̈ ˆ Luminous Intensity˜	Iv	300	/	1200	mcd	IF=20mA
ʰ ˆ Dominant Wave Length˜	ɚd	585	/	595	nm	IF=20mA
ɣ ˆ Peak Wave Length˜	ɚp	/	590	/	nm	IF=20mA
ʰ ˧ ˆ Forward Voltage˜	VF	1.8	2.2	2.4	V	IF=20mA
ǖ ǫ̈ ˆ Viewing Angle˜	2 Ï 1/2	/	35	/	deg	IF=20mA
ˆ Spectral Width at half height˜	Ʉɚ	/	20	/	nm	IF=20mA
ǐ ʰ ˆ Reverse Current˜	IR	/	/	Ò5	ɔ̃Rʼɔ̃ʲí	l

亮度分档:

Brightness gr[illegible]

可靠性试验

Reliability Test Items And Conditions

外形尺寸

Outline Dimension

(Note)'

1.

包装

Packaging

*

5. Weld

ˇ ضي r 2mm γ Й ˇ ضي ˇ ζ ῷ LED r ˇ ضي ‡ Uˇ ῷ ضي ⁘ ∀ ζ ˉ LED r Â

When welding, welding must be conducted below 2mm of colloid bottom. When welding, try to avoid soaking LED colloid. After welding, avoid adding external force on the pin or shaking LED colloid.

6. ˉ Drive way

LED ╟ ˉ ˇ LED ч ˇ Aˇ ضي LEDˇ ∀ w̄ ˇ γ Ḡ LED Ḥ w̄ Â

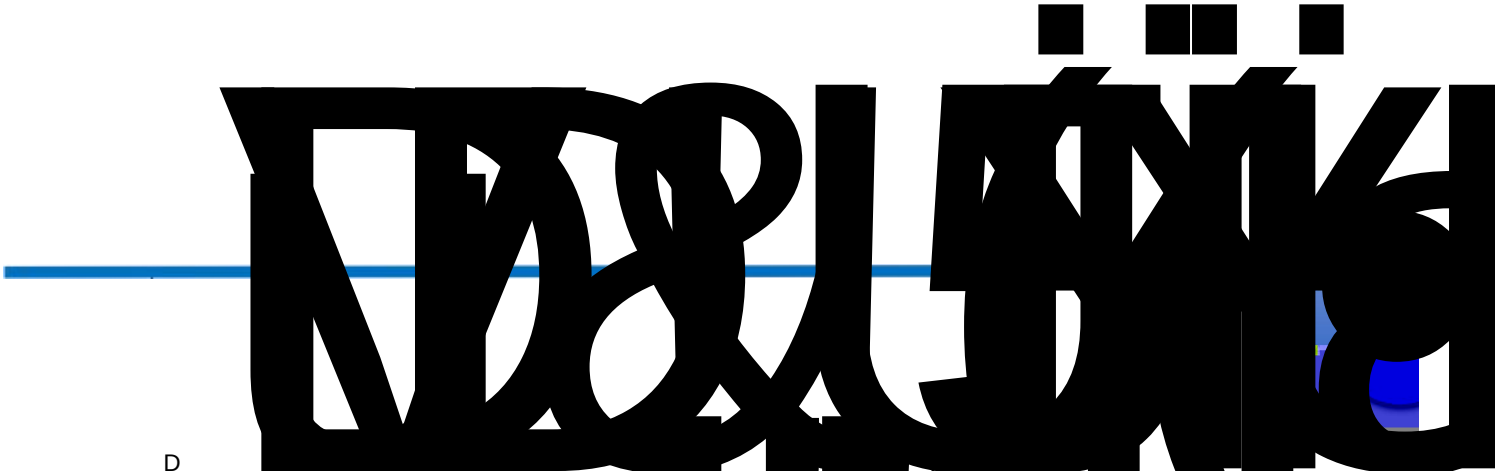
In the current driving mode of LED, if LED is multiple in parallel, it is recommended to use line A and add a flow limit resistance to each LED to ensure the consistent brightness of LED.

Circuit model A **Circuit model B** **Bnæ̣d**

使用注意事项（ ）

8、其他事项：

Others'

* Ŭ ج ƀ ᵖ ψ ˘ Ǯ ɢ غ ج ǐ Â ɿ ʐ Ǯ ɔ ρ
غ ˘ غ ˜ ج ɤ ɿ ʐ ≢ ج ɢ Ŭ ᵖ عضي Ţ Â

*When handling the product, touching the encapsulant with bare hands will not only contaminate its surface, but also affect on its optical characteristics. Excessive force to the encapsulant might result in catastrophic failure of the LEDs due to die breakage or wire deformation. For this reason, please do not put excessive stress on LEDs, especially when the LEDs are heated such as during Reflow Soldering.