

TX-3535W5FC120-OGVCND34-C03H90

PRODUCT SPECIFICATION

Features:

- ◆ E cell e a ii g hea f LED chi e a i g de 1200 A.
- ◆ High i
- ◆ UV.
- ◆ E ca la ed ae ial ae e i e all ce ified a d ee e i e al e i e e .

Chip Material:

- ◆ GaN

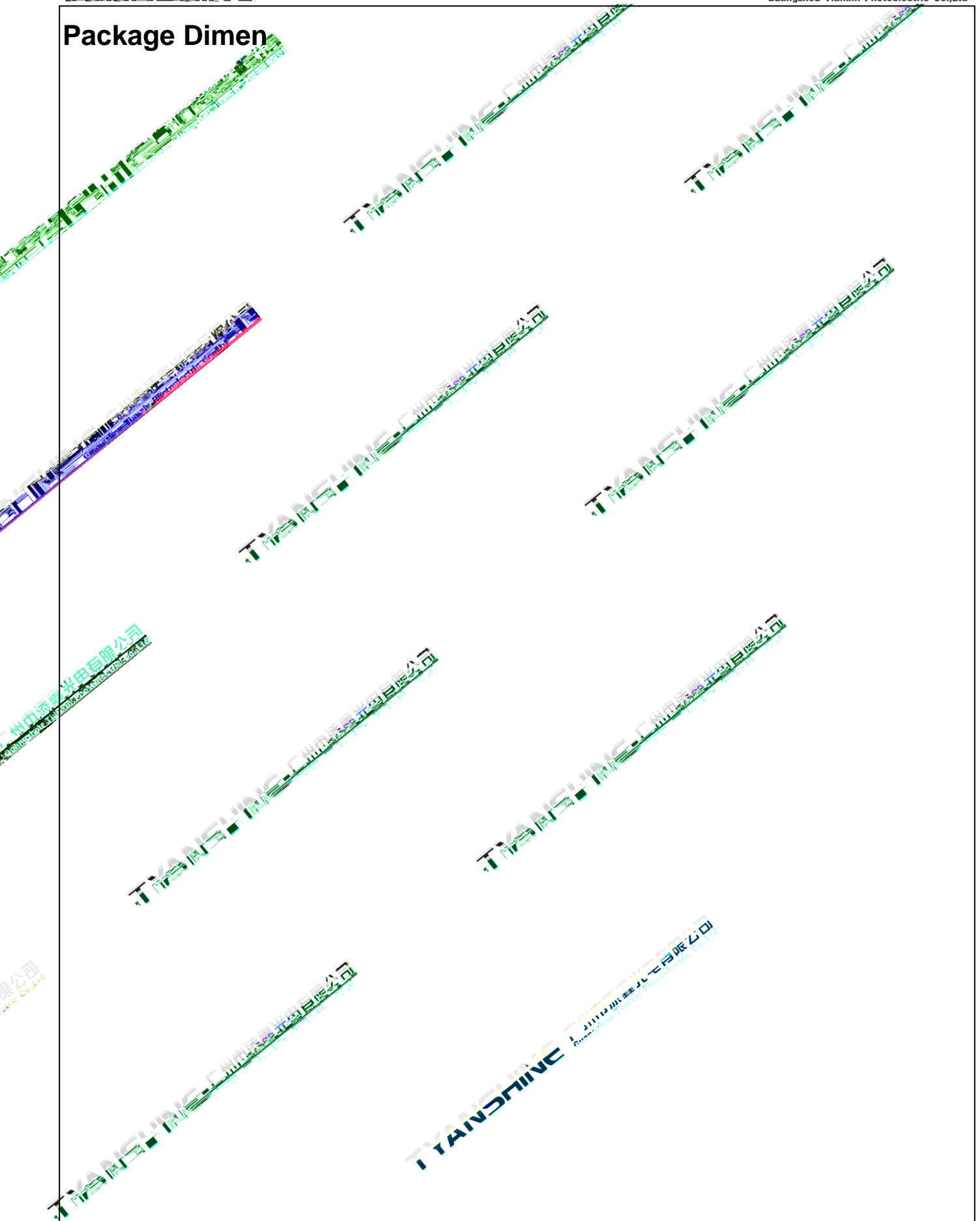
Emitting Color:

- ◆ hi e

Applications:

- ◆ A ilia ligh i g
- ◆ A chi ec al ligh i g
- ◆ Ge e al Ligh i g

Package Dimen



Absolute Maximum Ratings (Tc=25°C)

Parameter	Symbol	Ratings	Unit
Forward Current	IF	1200	A
Reverse Voltage	VR	Not designed	V
Power Dissipation	PD	5	W
Junction Temperature	Tj	150	°C
Electrostatic Discharge Threshold (ESD)	ESD	ESD sensitive device	V
Storage Temperature	Tg	-40 +70	°C
Operating Temperature	T	-30 +100	

Notes:

1. Specific area subject to change in future.
2. The data here is specific to the reference conditions and should be used as a guide only.
3. Protection of ESD: STATIC SHIELD. Electrostatic discharge should be avoided. It is recommended to use anti-static gloves when handling the LED. All devices are sensitive to electrostatic discharge.

Electrical Optical Characteristics (Tc=25°C)

Parameter	Symbol	Condition	Min.	Typ.	Max.	Units
Lum. Flux	Φ _I	If=700 mA	140	160		lm
Correlated Color Temperature	CCT		2871	3000	3130	K
Spectral Line Half-Width	$\Delta\lambda$		139	144	149	nm
Forward Voltage	V _f		2.7	3.0	3.4	V
Viewing Angle at 50% IV	2θ _{1/2}			120		Deg
Reverse Current	I _R					μA
Thermal Resistance Junction Case	R _{J-C}				6.4	K/W
Temperature Coefficient of Voltage	VΔF/T				-2.5	V/°C
Color Rendering Index	Ra		90	92.5		

White light Color coordinate filing (IF=0.7A)

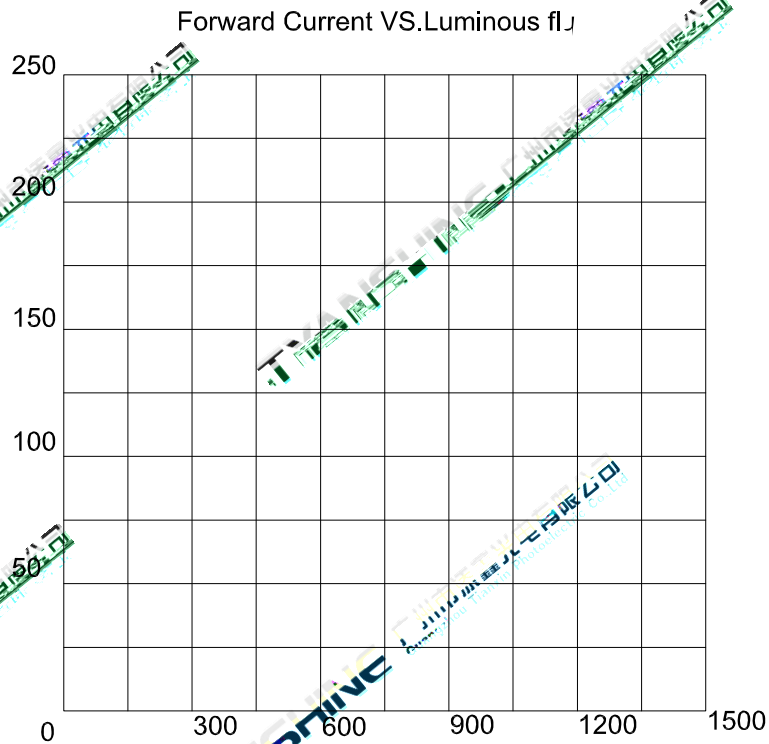
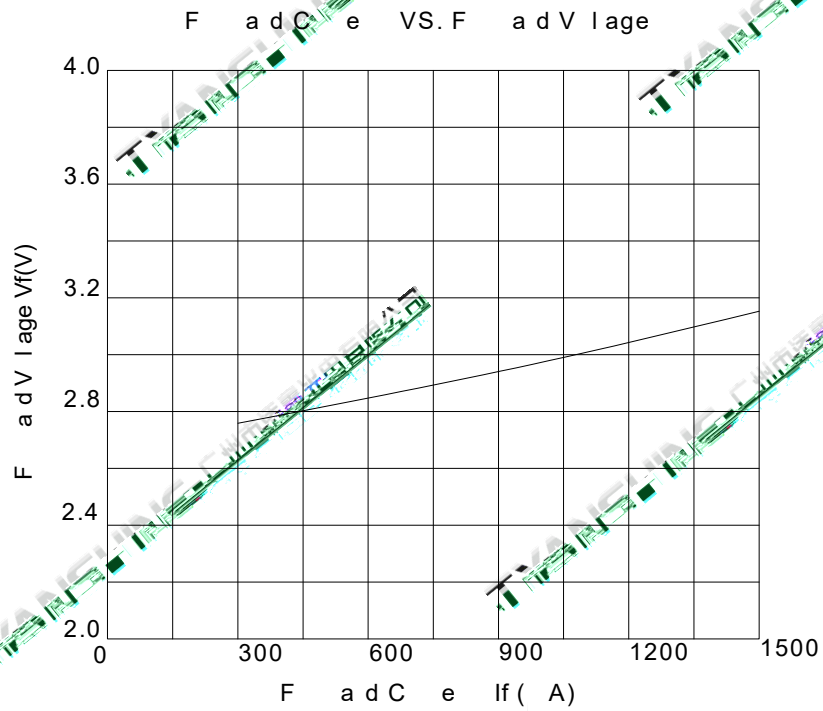
Grade	TC	P1		P2		P3		P4	
		X1	Y1	X2	Y2	X3	Y3	X4	Y4
7B3	3030K	0.4322	0.4096	0.4364	0.4188	0.4430	0.4212	0.4385	0.4119
7B4		0.4281	0.4006	0.4322	0.4096	0.4385	0.4119	0.4342	0.4082
7A3	3130K	0.4242	0.3919	0.4281	0.4006	0.4342	0.4028	0.4300	0.3939
7A4		0.4203	0.3833	0.424	0.3919	0.4300	0.3939	0.4259	0.3853
7C2	2950K	0.4385	0.4119	0.4430	0.4212	0.4496	0.4236	0.4449	0.4141
7C1		0.4342	0.4028	0.4385	0.4119	0.4449	0.4141	0.4403	0.4049
7D2	3030K	0.4300	0.3939	0.4342	0.4028	0.4403	0.4049	0.4359	0.3960
7D1		0.4259	0.3853	0.4300	0.3960	0.4359	0.3960	0.4316	0.3873
7C3	2871K	0.4449	0.4141	0.4496	0.4236	0.4562	0.4260	0.4513	0.4164
7C4		0.4403	0.4049	0.4449	0.4141	0.4513	0.4164	0.4465	0.4071
7D3	2950K	0.4359	0.3960	0.4403	0.4049	0.4465	0.4071	0.4418	0.3981
7D4		0.4316	0.3873	0.4359	0.3960	0.4418	0.3981	0.4373	0.3893

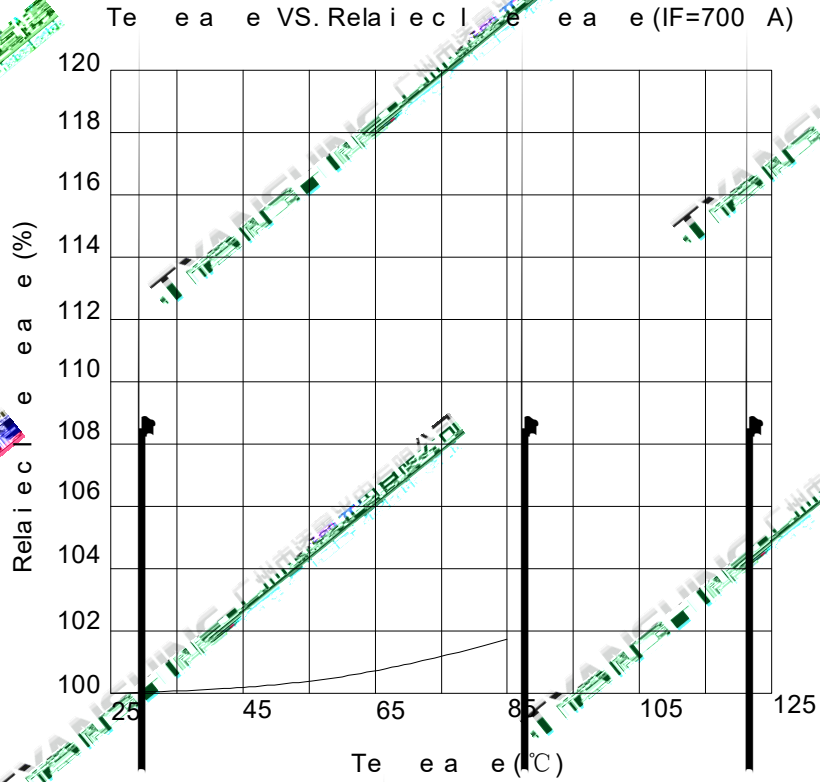
Notes:

1. L i i e i i e a e d i h a l i g h e a d f i l e c b i a i h a a i a e h e C I E e e e e c e .
2. $1/2$ i h e f f a i a g l e a h i c h h e l i i e i i h a f h e a i a l l i e i .
3. L i f l e a e e l e a c e : 15% .
4. F a d l a g e e a e e l e a c e : 0.15V .

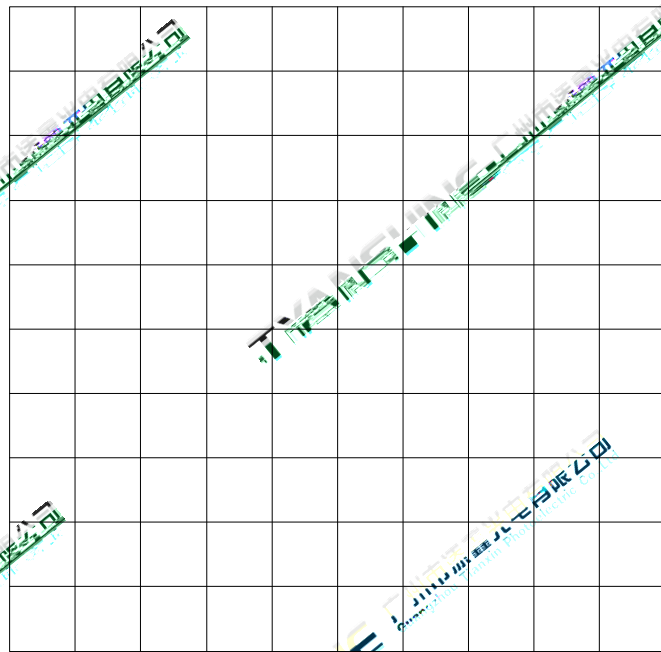
Typical Electrical/Optical Characteristics Curves

(25°C Ambient Temperature Under Ohmic Condition)





Temperature VS. Relative Humidity



Usage Precautions

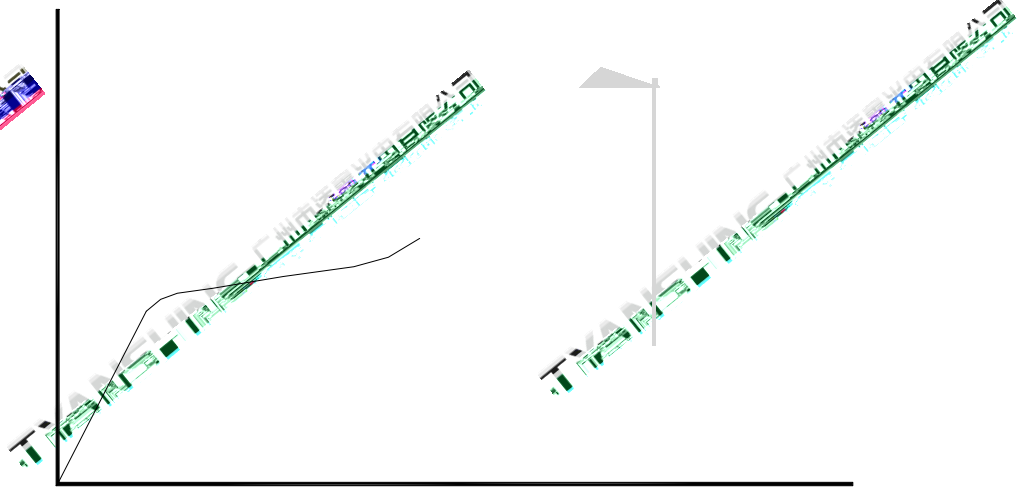
Storage Environment Condition

Temperature: 5°C ~ 30°C (41°F ~ 86°F)

Humidity: 60% RH Max.

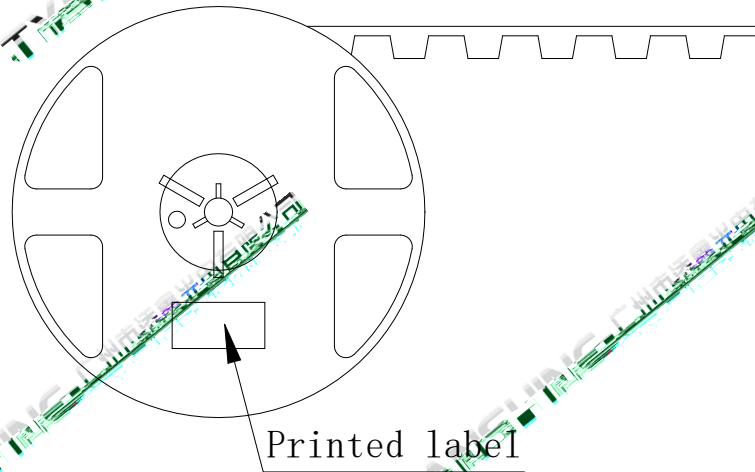
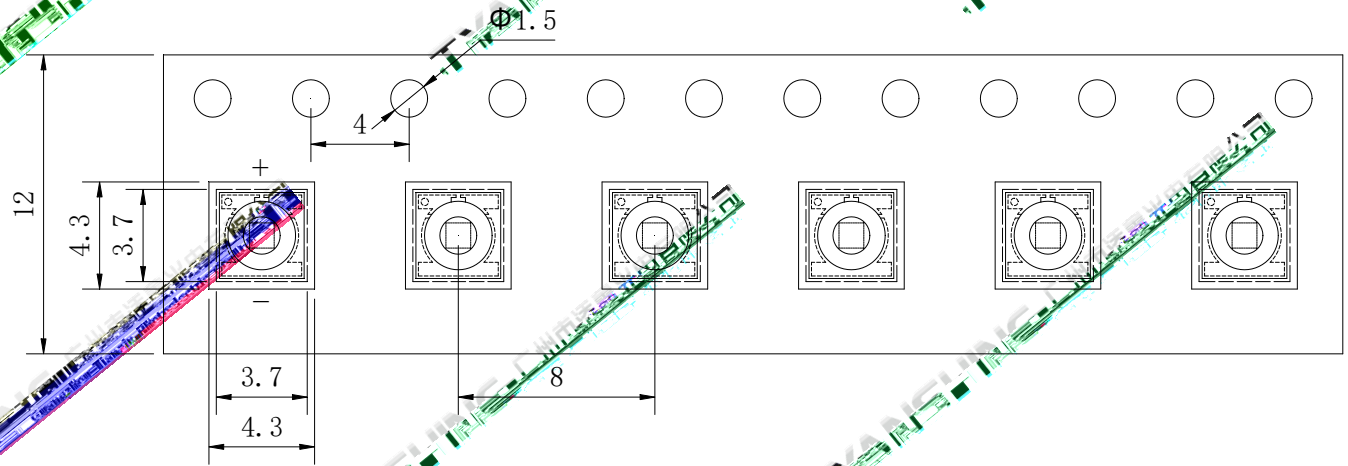
Soldering Condition

Use the correct soldering method as shown in the figure.



Dimensions For Cannulation And Packaging

Quantity:1000 PCS



Printed label

Notes:

1. All dimensions are in millimeters.
2. The tolerance is ±0.2mm unless otherwise specified.
3. The device is packaged in a reel. The reel is a standard 30mm diameter reel. The height of the LED light-emitting area, A, is 1.5mm. The height of the LED light-emitting area is the same as the height of the LED light-emitting area.