

TX-3535W5FC120-OGVCND34-C03H90

PRODUCT SPECIFICATION

Features:

Excellent high power LED chip design of 1200 A.

High reliability.

No UV.

Excellent thermal stability, fully certified and tested.

Chip Material:

GaN

Emitting Color:

White

Applications:

Architectural lighting

Commercial lighting

General lighting

Package Dimen



Absolute Maximum Ratings (Tc=25)

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

Notes:

1. Specific average current.
2. The data here is for reference only and should be used in accordance with the actual design.
3. Protection for ESD:
 STATIC SHIELD: Electrostatic discharge protection for LED. It is recommended to use anti-static bags for electrostatic protection of LEDs. All devices, especially sensitive devices, should be stored in anti-static bags.

Electrical Optical Characteristics (Tc=25°C)

Parameter	Symbol	Condition	Min.	Typ.	Max.	Units
L i F I		If=700 A	140	160		l
C e l a e d C I T e e a e	CCT		2871	3000	3130	K
S e c a l L i e H a l f - W i d h			139	144	149	
F a d V l a g e	V _f		2.7	3.0	3.4	V
V i e i g A g l e a 50° IV	2 1/2			120		Deg
R e e e C e	I _R					A
T h e a l R e f a c e J c i C a e	R _{J-C}				6.4	K/W
T e l e a e C e f f i c i e n t V l a g e	V _{F/T}				2.3	V/
C I R e d e i g l d e	R _a		90	92.5		

White light Color coordinate filing (IF=0.7A)

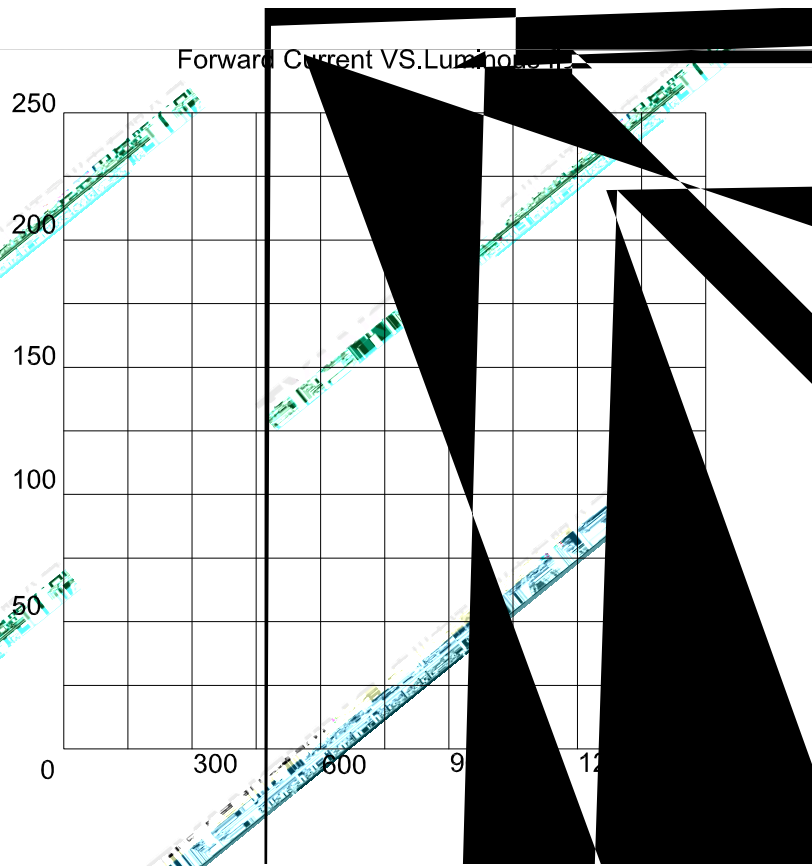
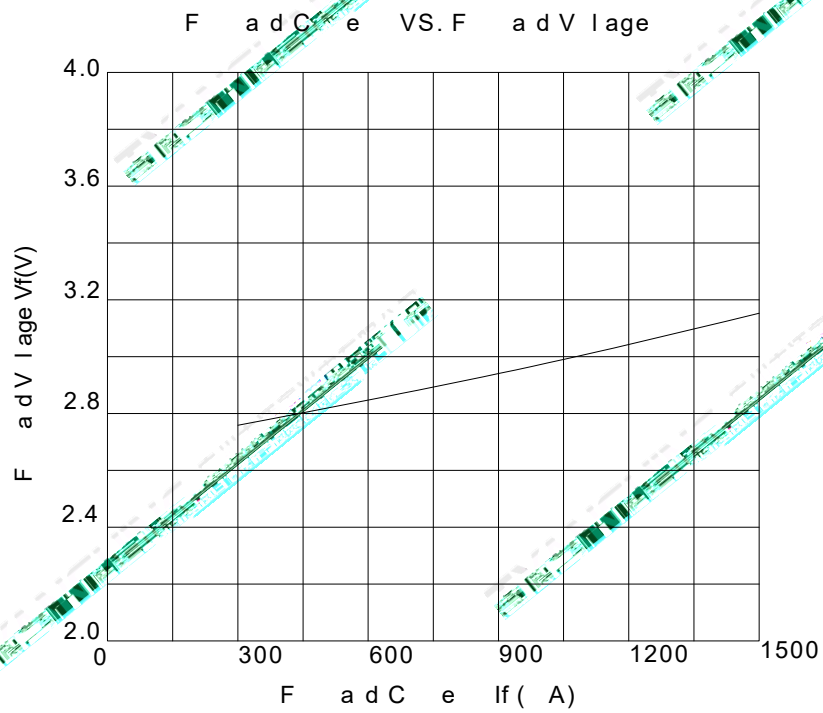
Grade	TC	P1		P2		P3		P4	
		X1	Y1	X2	Y2	X3	Y3	X4	Y4
7B3	3030K - 3130K	0.4322	0.4096	0.4364	0.4188	0.4430	0.4212	0.4385	0.4119
7B4		0.4281	0.4006	0.4322	0.4096	0.4385	0.4119	0.4342	0.4082
7A3		0.4242	0.3919	0.4281	0.4006	0.4342	0.4028	0.4300	0.3939
7A4		0.4203	0.3833	0.424	0.3919	0.4300	0.3939	0.4259	0.3853
7C2	2950K - 3030K	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		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 - 2950K	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		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

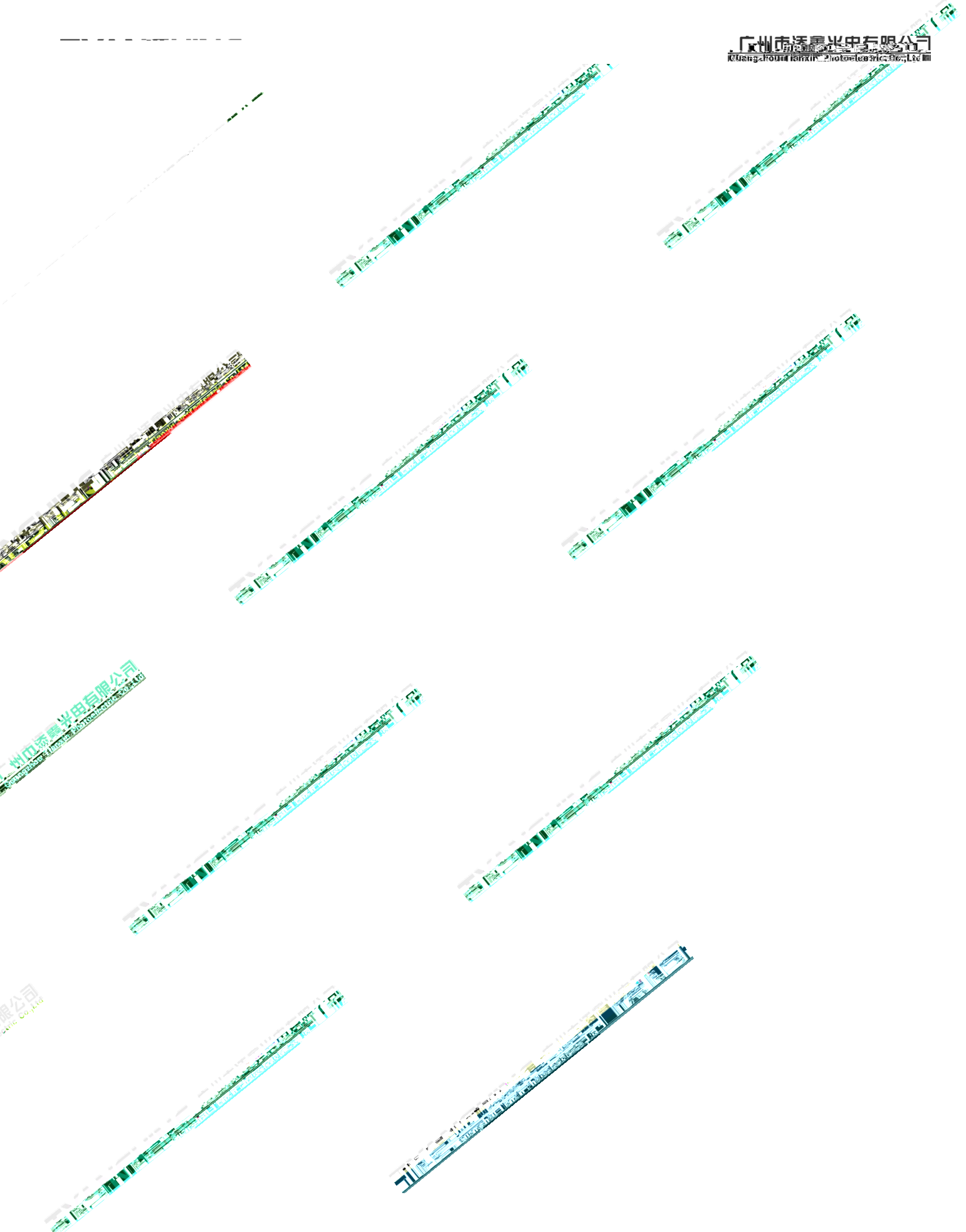
Notes:

1. Light color is measured in a light emitting diode file cabinet in accordance with the CIE 1931 color space.
2. 1/2 inch diameter high helix diode half diameter diode.
3. Light flux efficiency: 15%.
4. Forward voltage: 0.15V.

Typical Electrical/Optical Characteristics Curves

(25 A bie Te ea eU le Ohe i eN ed)





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Usage Precautions

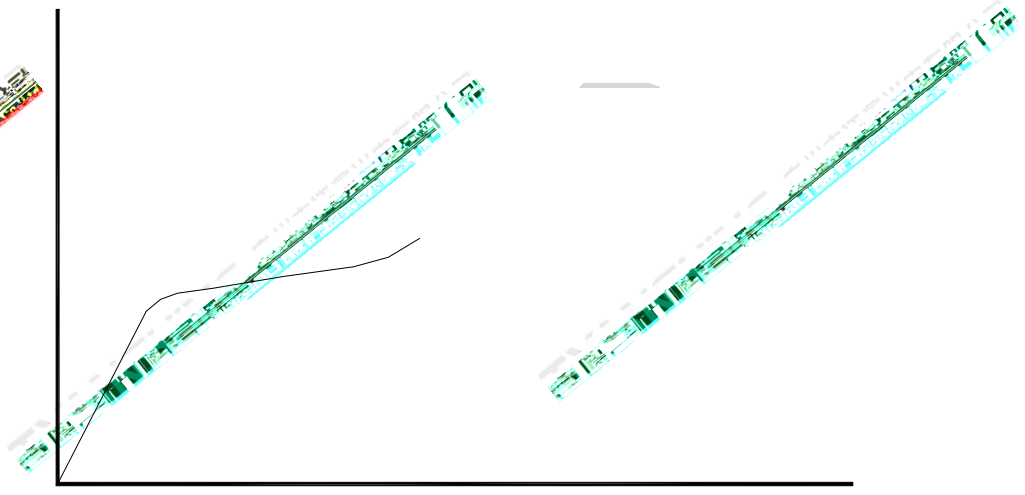
Storage Environment Condition

Temperature: 5 ~ 30 (41 ~ 86)

Humidity: 60% RH Max.

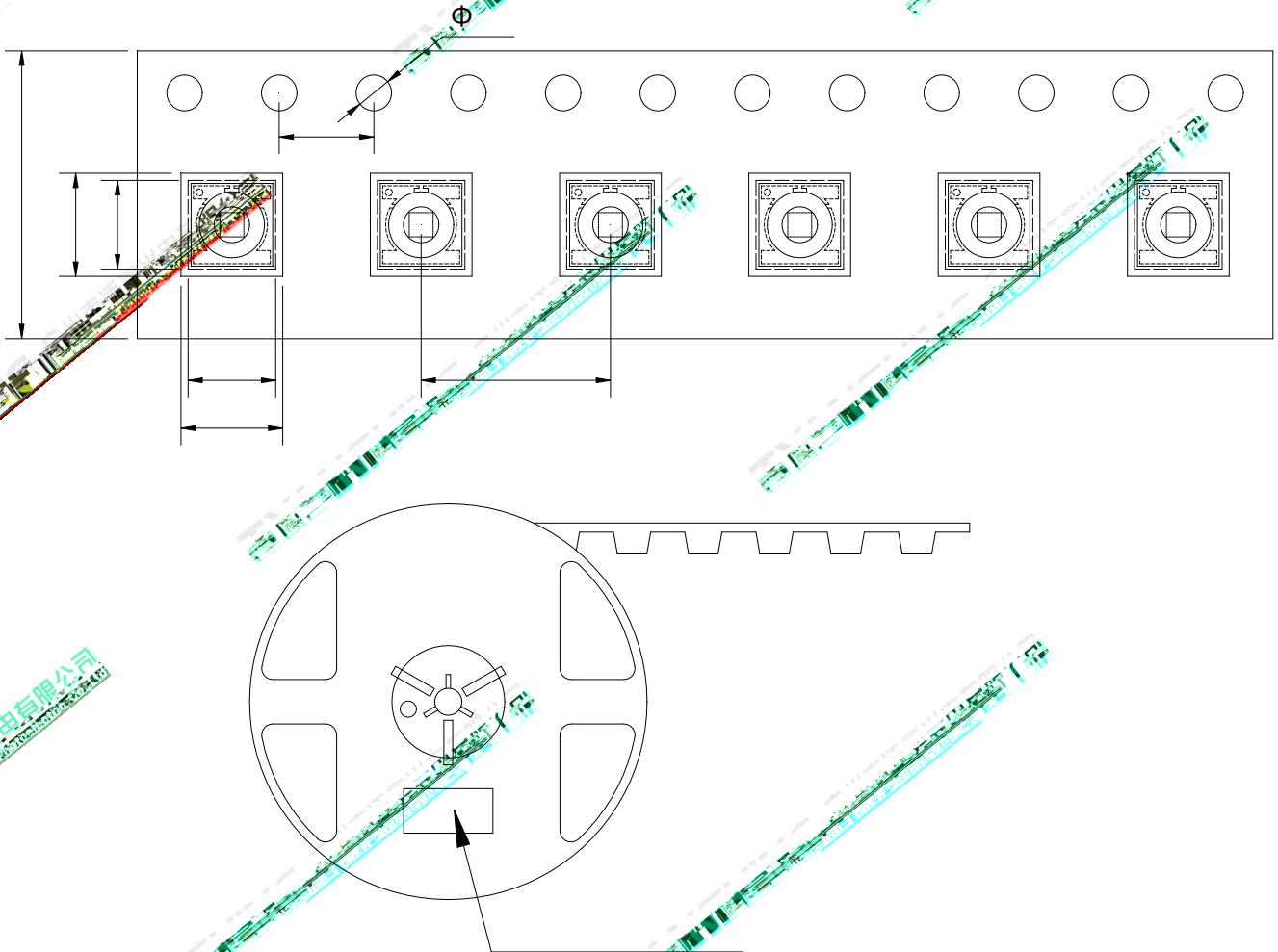
Soldering Condition

Use the correct soldering method as shown in the figure.



Dimensions For Cannulation And Packaging

Quantity:1000 PCS



Notes:

1. All dimensions are in millimeters.
2. The tolerance is ±0.2mm unless otherwise specified.
3. The dimensions are for the packaged length of the strip. The length of the LED light-emitting area, A, is the length of the LED light-emitting area of the strip.