

High Power LED chip rated at 2500 mA

High Intensity

UV

Electrostatically Sensitive Device

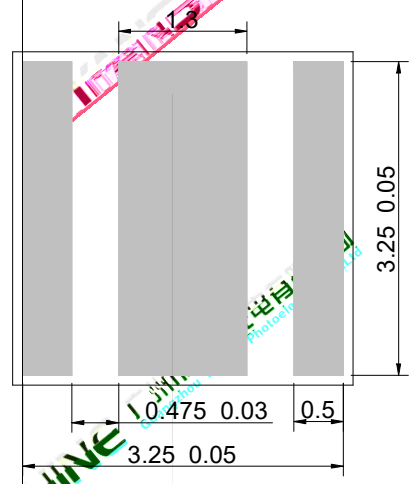
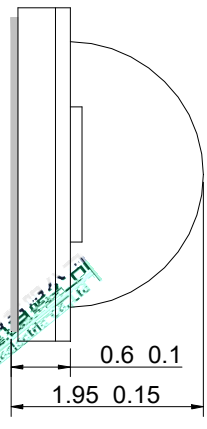
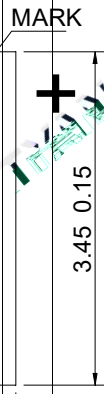
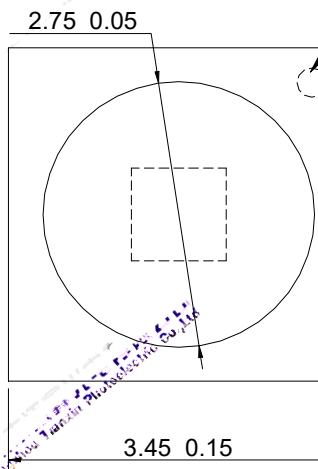
GaN

GaN

Amber Light

Amber Light

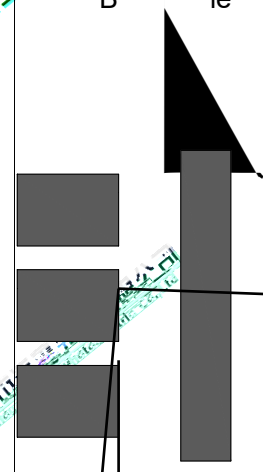
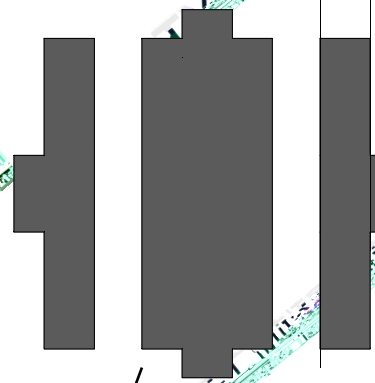
General Light



T ie

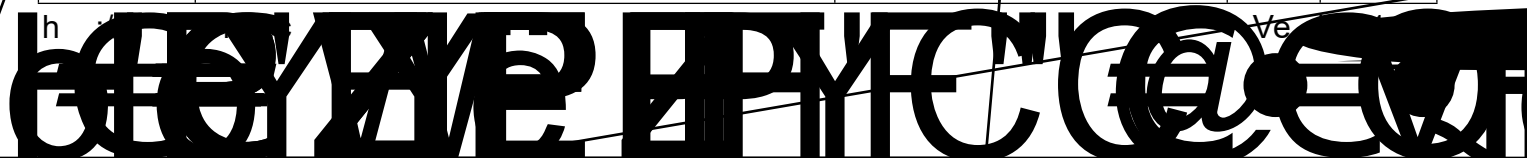
Side ie

B ie



PA N . TX-3535G10FC120-NGVENA72-02

ε



Forward Current	IF	2500	A
Reverse Voltage	VR	Not indicated	V
Power Dissipation	P <sub>D</sub>	9.5	W
Junction Temperature	T <sub>j</sub>	150	
Electrostatic Discharge Threshold (ESD)	ESD	ESD level depends on	V
Storage Temperature	T <sub>g</sub>	-40 ~ +70	
Operating Temperature	T	-40 ~ +85	

1. Specific parameters are subject to change without notice.
2. The data in this specification is for reference only. The actual data may vary according to the actual production process.
3. Precautions for ESD:
 

STATIC SHOCK: Electrostatic discharge damage to the LED. It is recommended to use anti-static measures during handling.

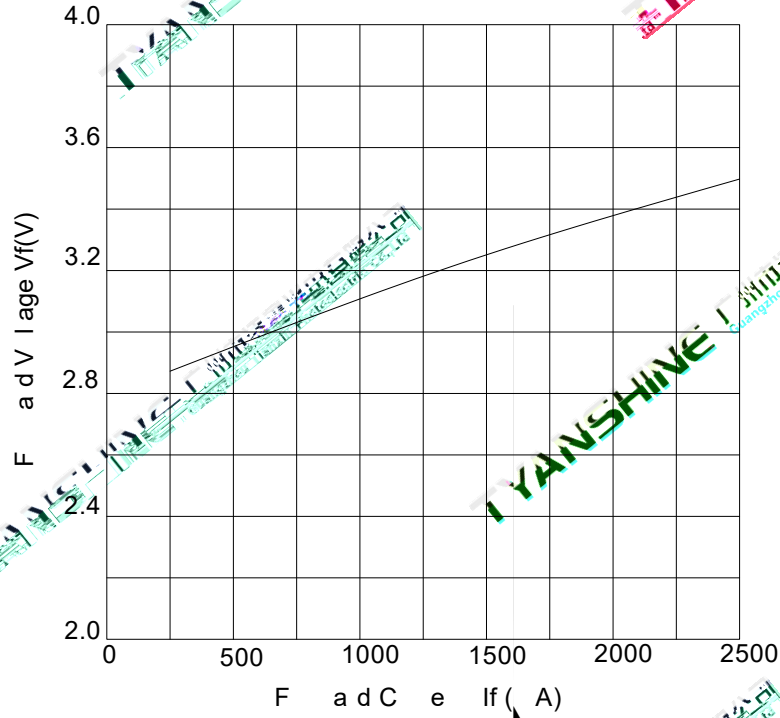
WETTING: The LED is sensitive to moisture. All devices should be stored in a dry environment.

L i F l				270	300	330
F a d V l a g e	V			2.8	3.1	3.4
Vie i g A g l e a 50 IV	2 1/2	If=1000 A			120	
Peak E i i W a e l e g h				518	523	528
D i a W a e l e g h	d			525	530	535
Vie i g A g l e a 50 IV	2 1/2			28	33	38
Re e e C e	I <sub>R</sub>					A
The al Re i a c e J c i C a e	R <sub>tc</sub>			4.9		K/W
Te e a e C e f f i c i e n t V l a g e	V F/T	If=1000 A			-2	V/

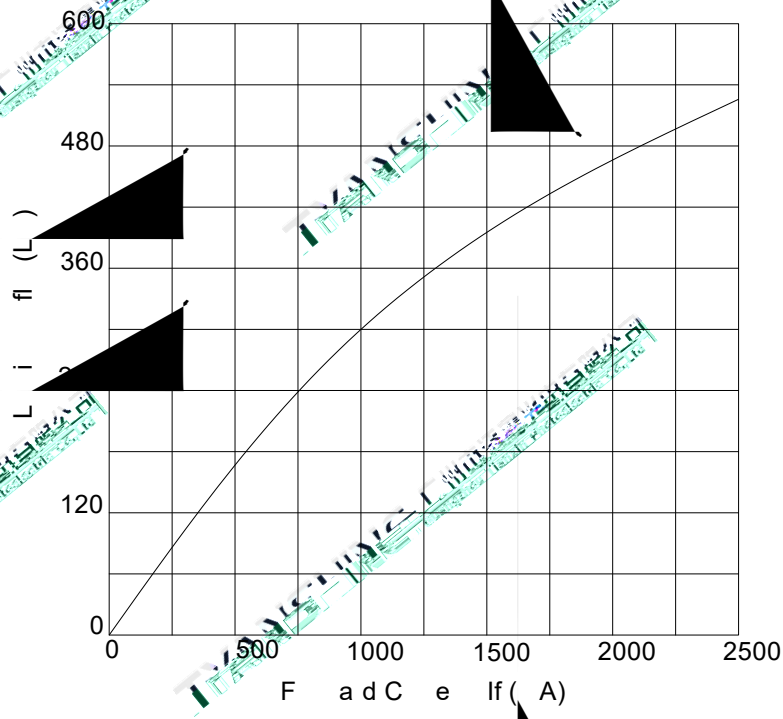
1. L i i e i i e a e d i h a l i g h e a d f i l e c b i a i h a a i a e h e C I E e e e c e .
2. 1/2 the f-f a i a g l e w h i c h h e l i i e i i h a l f h e a i i e i .
3. L f l e a e l e a c e 15% .
4. F a d l a g e a e e l e a 10% V .

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

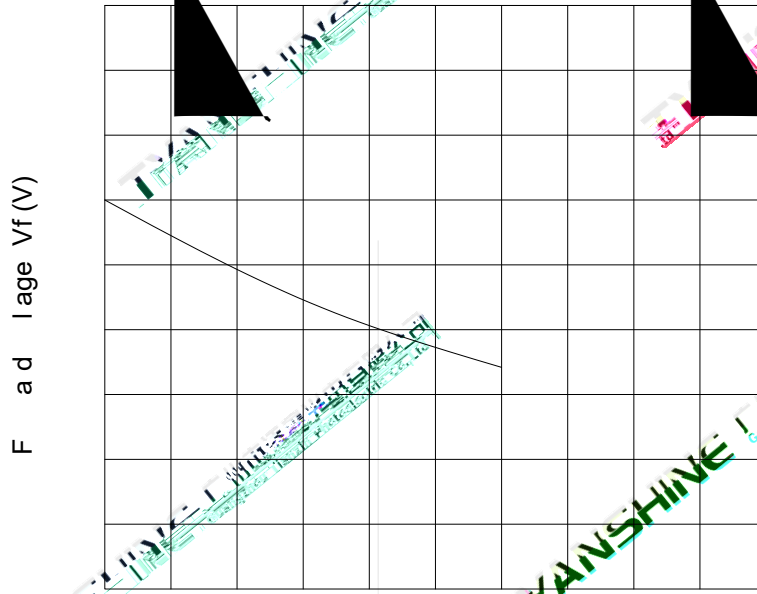
F adC e VS.F adV lage



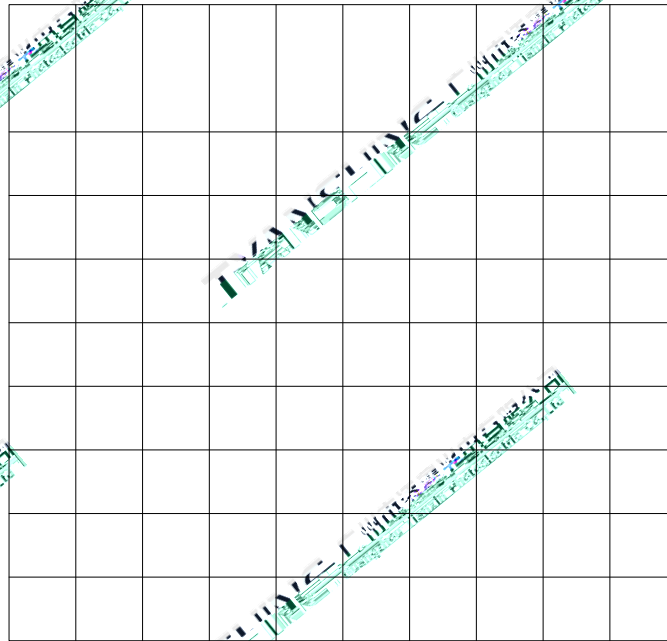
F adC e VS.L i fl



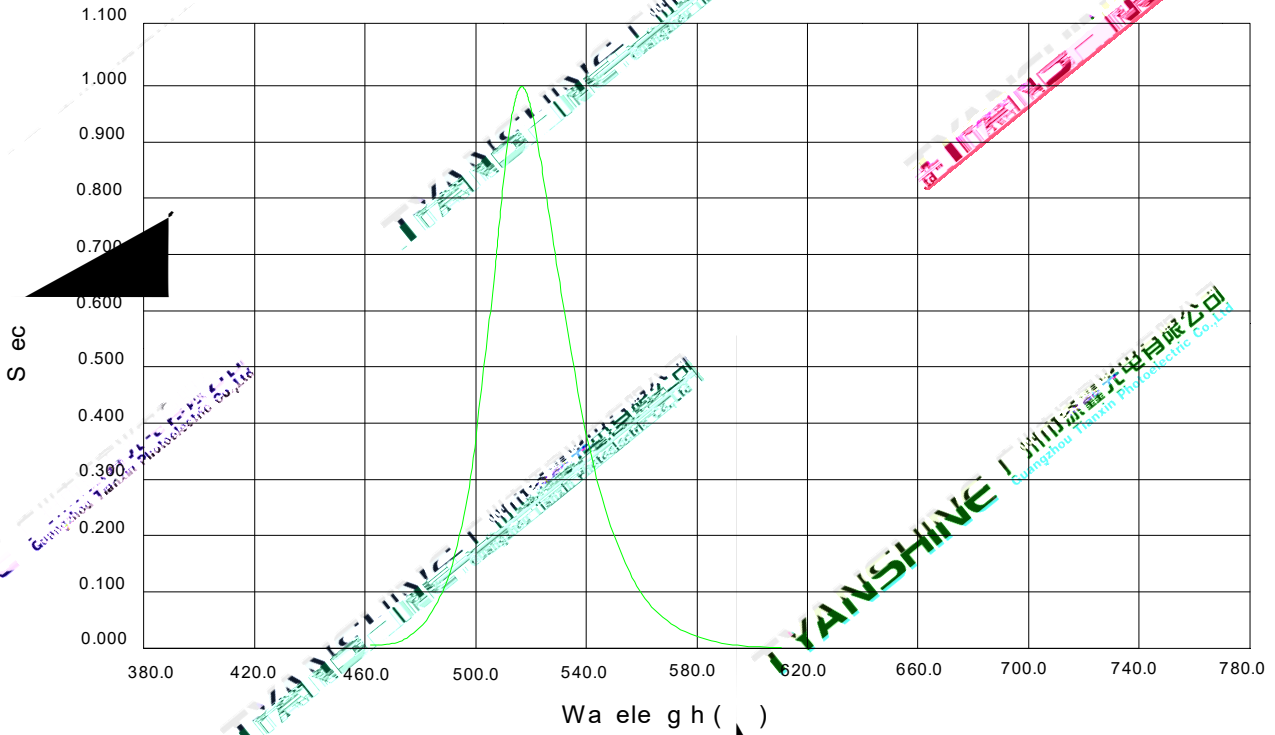
Te e a e VS. F a d V l age (IF=1000 A)



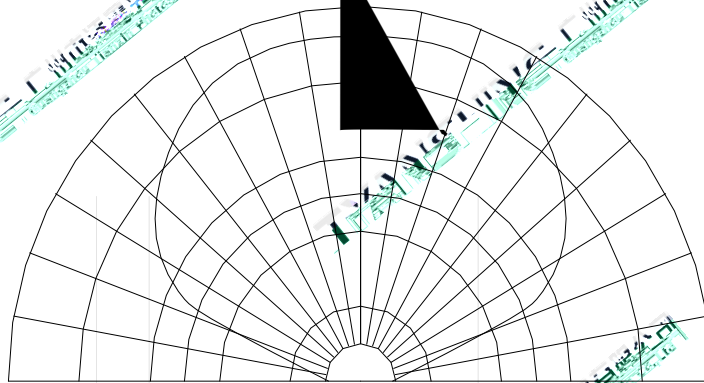
T e e a e ( )



Relative Spectral Distribution



Beam Pattern



Relative Intensity (LOP@MAX=1)

1. 2 1/2 inch diameter lens  
2. Viewing angle less than 5°



Temperature: 5 30 (41 86 )

Humidity: 60% RH Max.

Use conditions: see the design.

