

-3535 5FC120- G C D34-03F

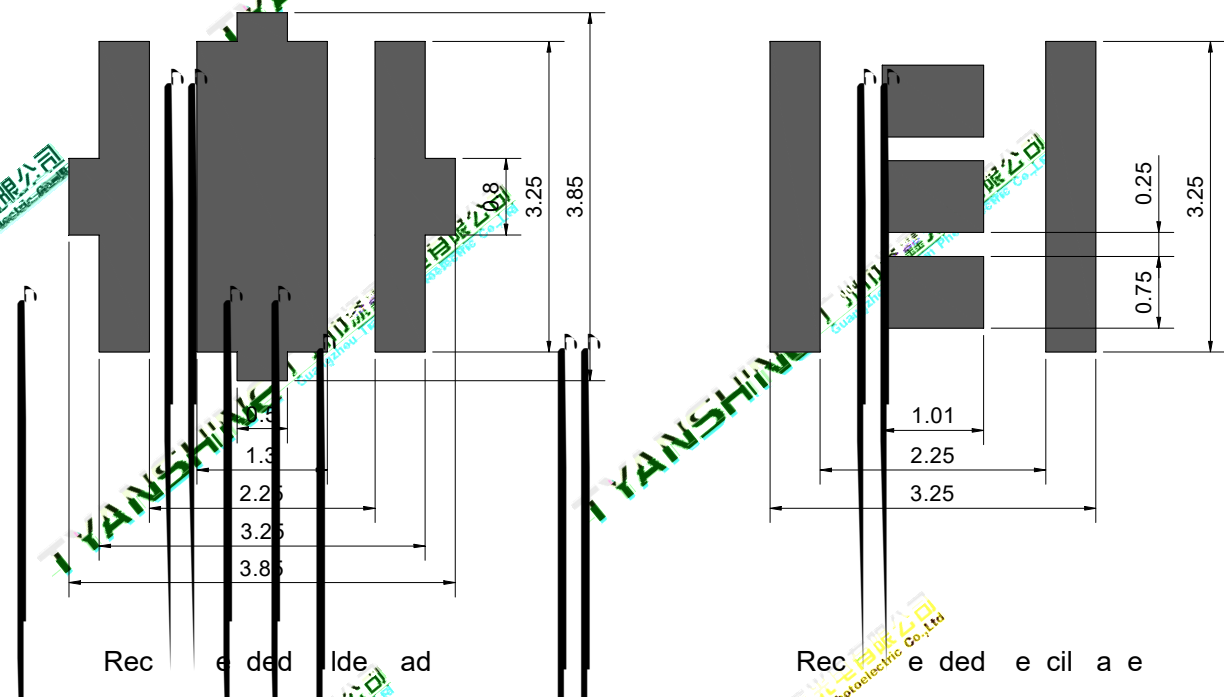
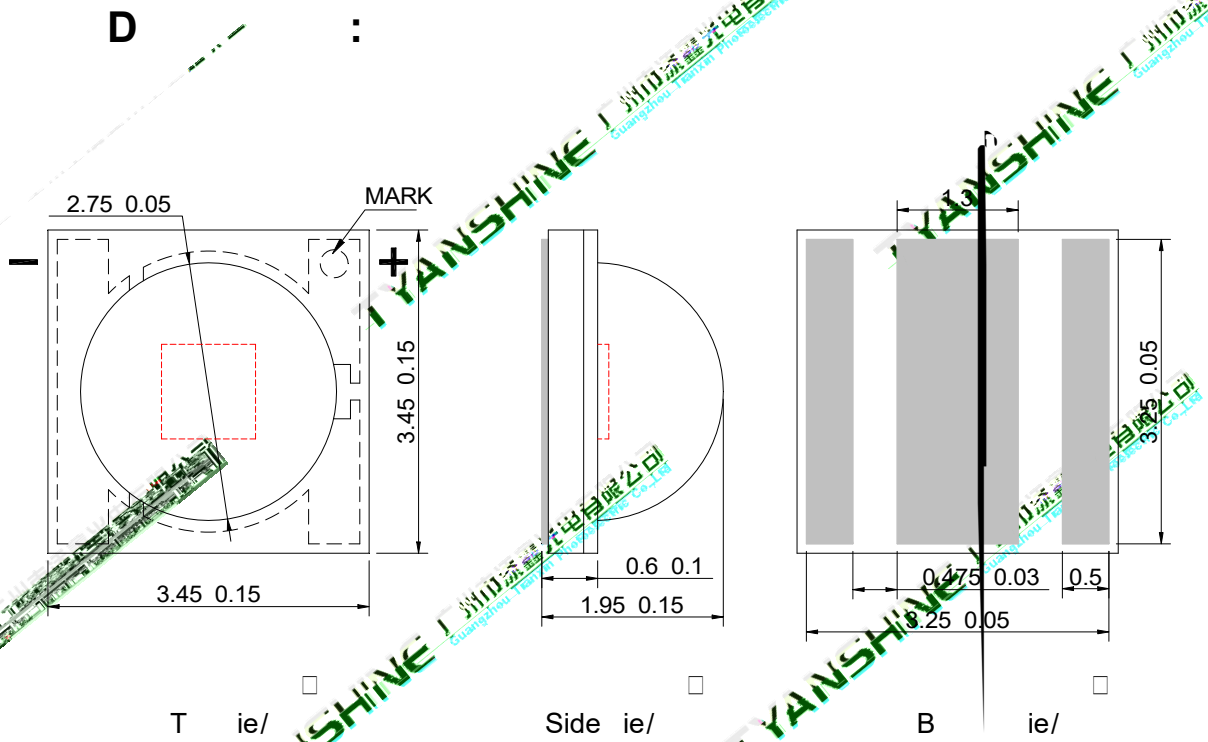
D C ECIFICA I

**F** :  
 ◆ Single cell high power LED chip  
 ◆ High luminous efficiency  
 ◆ Non-UV  
 ◆ Excellent thermal stability and reliability

**C M** :  
 ◆ GaN

**E C** :  
 ◆ Red

**A** :  
 ◆ Power Factor high  
 ◆ Good lighting  
 ◆ General lighting



1. All dimensions are in millimeters.
2. Tolerances are as indicated in the drawing.

A M ( =25°C)

F / a d C e	IF	1200	A
Re e e V l a g e	V <sub>R</sub>	5	V
Re e e C e	I <sub>R</sub>	2	A
P / e D i a i	P <sub>D</sub>	4200	W

J c e l

1. Specific a e b j e c c h a g e / i h i c e.
2. The d a h i e c i f i c a i f e f e e c e l a d h e a c a l d a i i a c c d a c e / i h h e a c k / l e d g e .
3. P e c a i f E S D S T A T I C S H I E L D e l e c i c i a d g e d a a g e h e L E D . I i e c e d e d e a / i b a d a i - e l e c t r i c g l e / h e h a d l i g h e L E D . A l l d e i c e , e i e a d a c h i e b e e l g d e d .

K



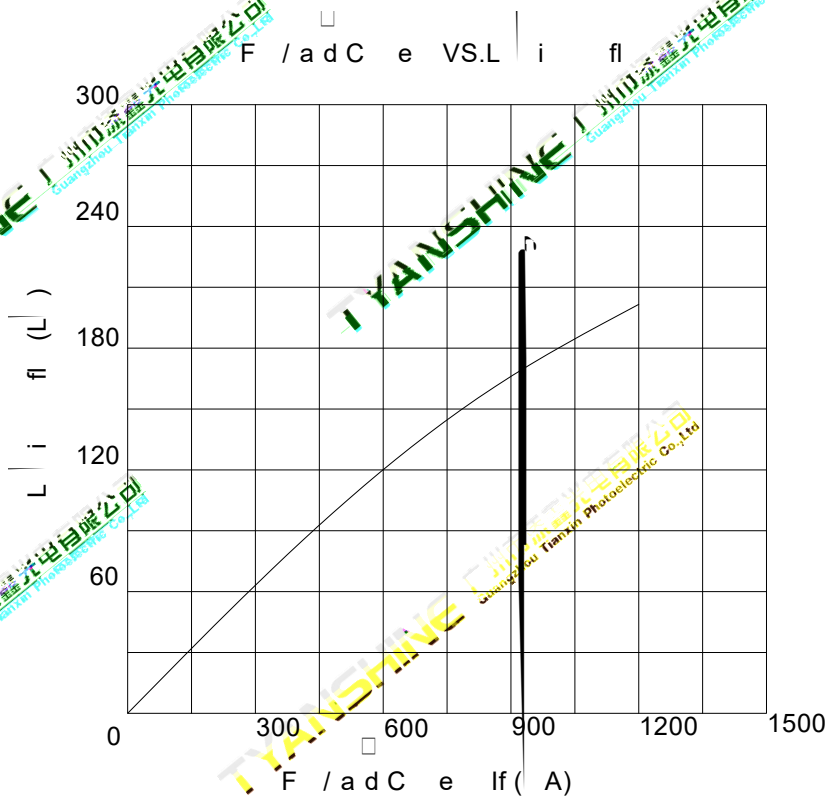
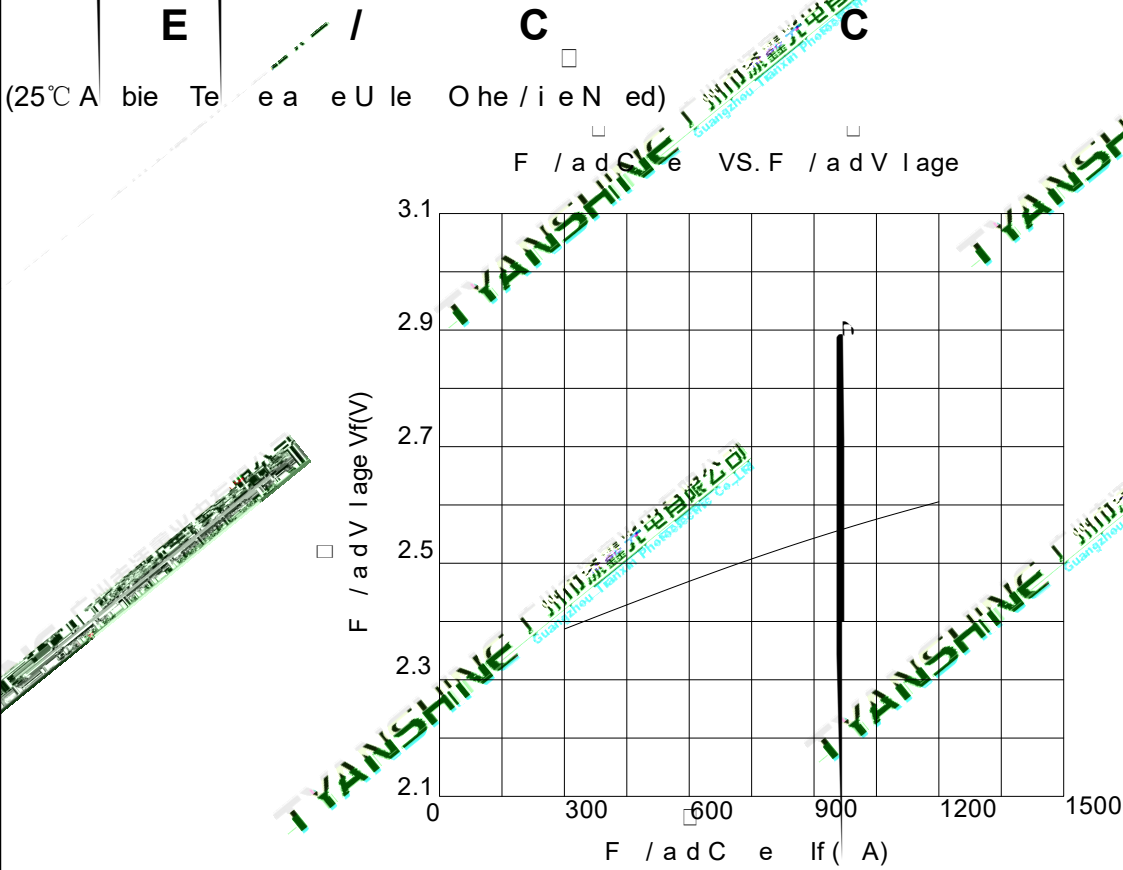
E		C		C		M		M	
L i F l				120	135				l
F / a d V l a g e	V <sub>f</sub>			2.2	2.5	2.8			V
Peak E i i W a e l e g h			I <sub>f</sub> =700 A	627	632	637			
D i a W a e l e g h	d			617	622	627			
S e c a l L i e H a l f W i d t h	Δ			12	16	20			
V i e / i g A g l e a 50% I V	2 1/2				120				Deg
R e e e C e	I <sub>R</sub>					2			A
T h e r m a l R e i a c e J c i C a e	R <sub>J-C</sub>				6				KW
T e e a e C e f f i c i e n t V l a g e	V <sub>o</sub> /V <sub>f</sub> T		I <sub>f</sub> =700 A			-1.3			V/°C

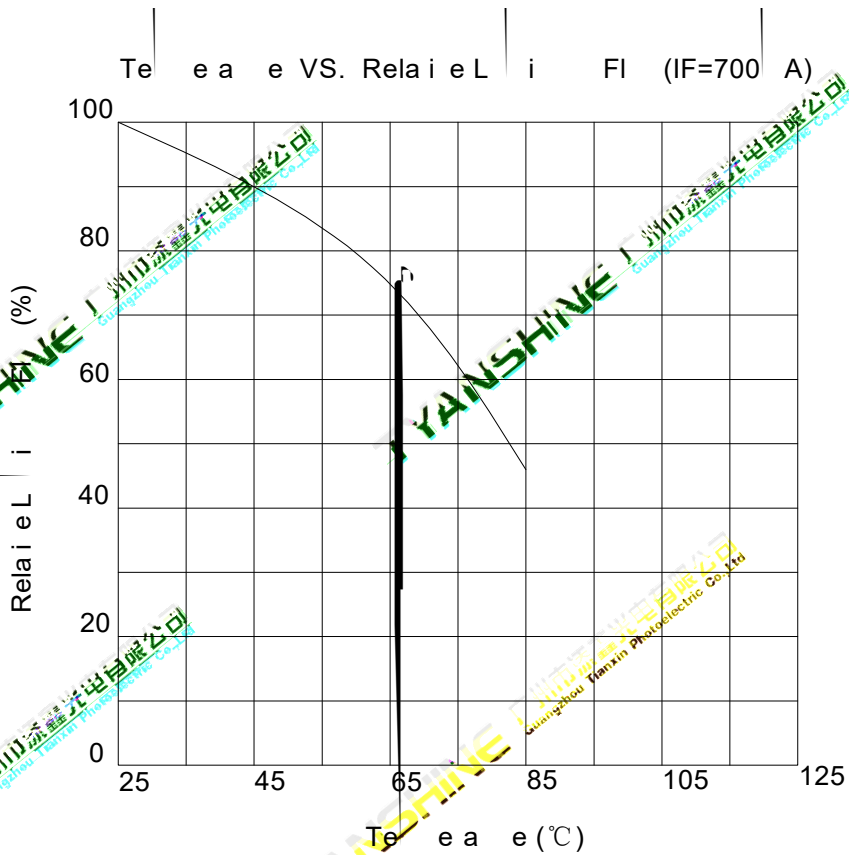
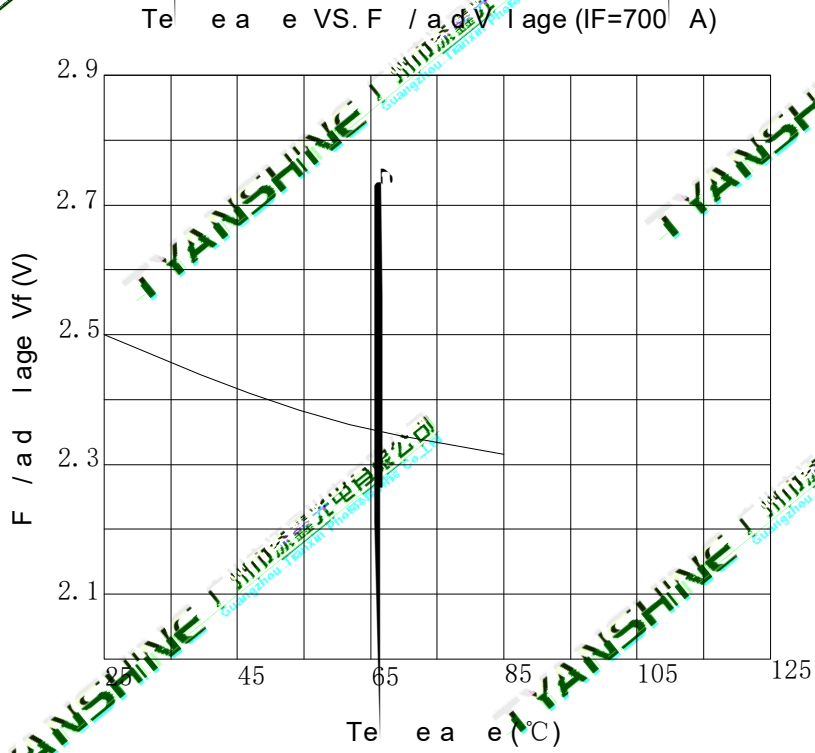
1. L i e i i e a e d / i h a l i g h e a d f i l e c b i a i h a a i a e h e C I E e e e e c e .

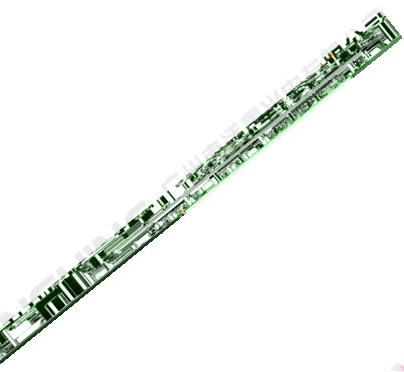
2. 1/2 i h e f f a i a g l e a / h i c h h e l i i e i i h a l f h e a i a l i e i .

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 l e a c e : 0.15V .







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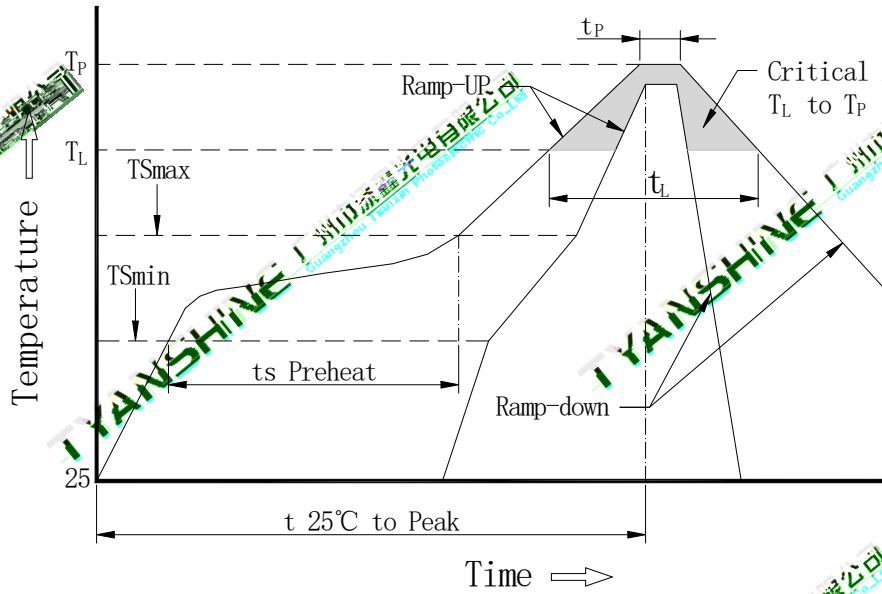
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**E C**  
Temperature: 5°C 30°C (41°F 86°F)

Humidity: 60% RH Max.

**C**  
Use the conditions in the figure.



F	-F ( B 35A 0.3)
Age Rate: $-U_{Ra} (T_a - T_i)$	3°C/decade
Preheat: Temperature $(T_i)$	130°C
Preheat: Temperature $(T_a)$	190°C
Preheat: Time $(T_i - T_a)$	120-180 sec
Time Maintained Above: Temperature $(T_i)$	230°C
Time Maintained Above: Time $(T_L)$	60-150 sec
Peak/Classification Temperature $(T_P)$	255°C
Time Within 5°C of Actual Peak Temperature $(T_P)$	10-35 sec
Ramp-Down Rate	5°C/decade
Time 25°C Peak Temperature	7 min

All electrical effects are defined for the package, measured on the package bottom face.



