

-3535 5FC120- G C D34-03F

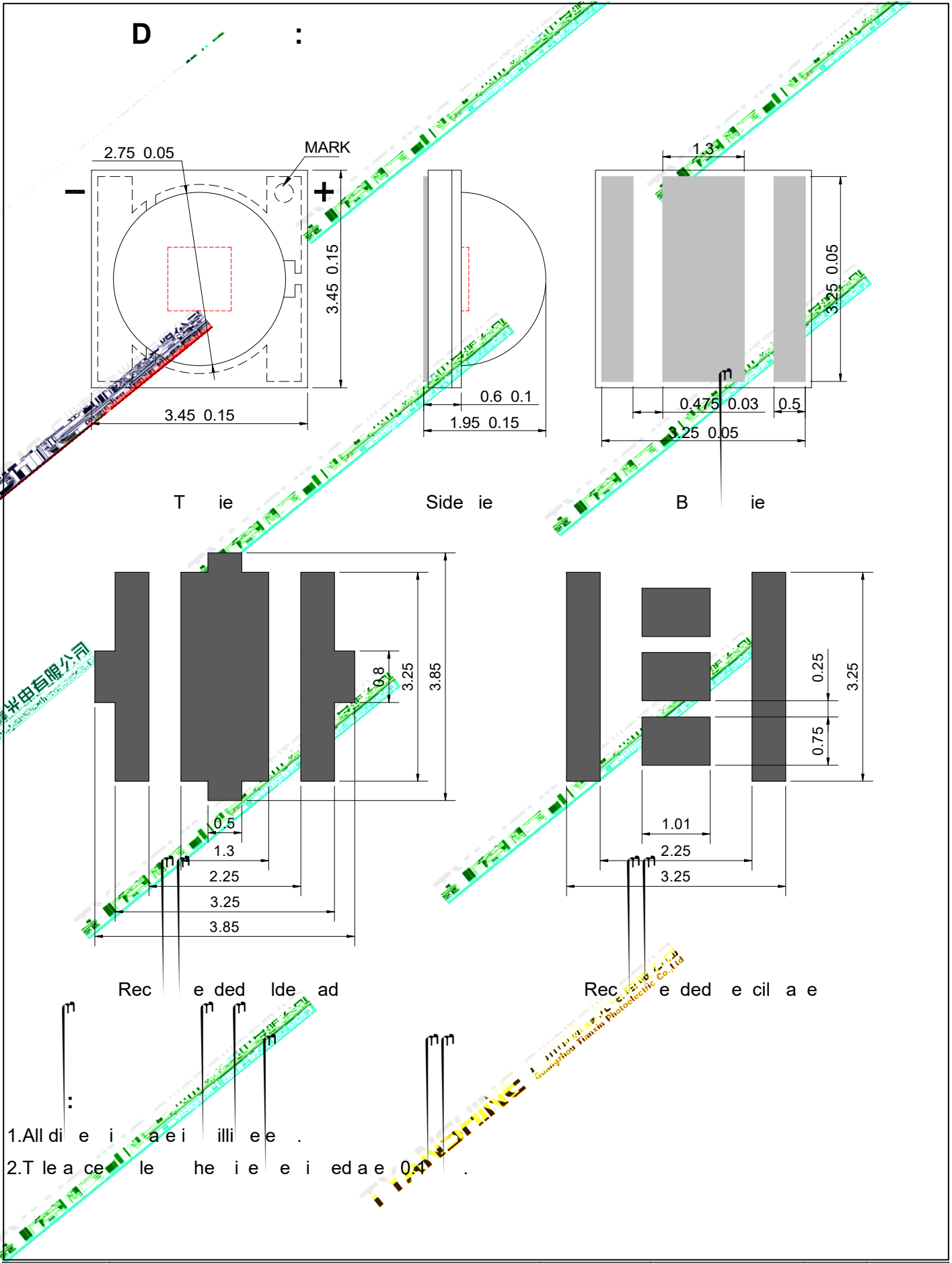
D C ECIFICA I

F :
 ◆ E celle a i i g hea f LED chi e a i g de 1.2 A.
 ◆ High l i
 ◆ N UV.
 ◆ E ca la ed a e ial a e e i e all ce ified a d e e i e al e i e e .

C M :
 ◆ GaN

E C :
 ◆ Red

A :
 ◆ P able Fla high
 ◆ Ga de ligh i g
 ◆ Ge e al Ligh i g



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

A M (=25°C)

Forward Current	IF	1200	A
Reverse Voltage	VR	5	V
Reverse Current	IR	2	A
Power Dissipation	PD	4200	W

J cff

1. Specific... change in...
 2. The data... efficiency...
 3. Precaution of ESD: STATIC SHIELD...
 All devices... be...
 g ded.

E

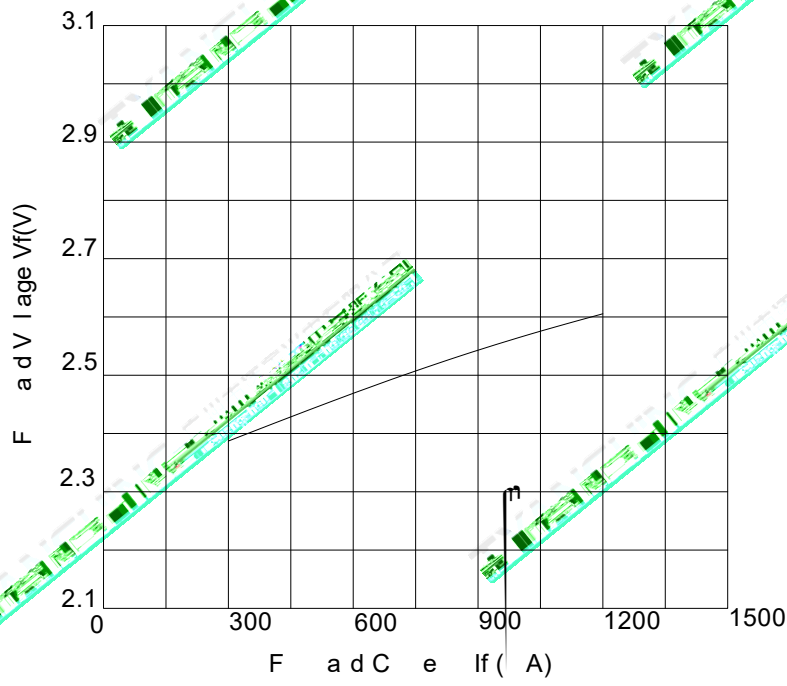
C

		C	M	M	M	
Li Fl		If=700 A	120	135		I
Forward Voltage	V_f		2.2	2.5	2.8	V
Peak Emission Wavelength			627	632	637	
Diameter Wavelength	d		617	622	627	
Sectional Line Half Width	Δ		12	16	20	
Viewing Angle at 50% IV	$2\theta_{1/2}$			120		Deg
Reverse Current	I_R			2	A	
Thermal Resistance Junction Case	R_{j-c}		6.0		K/W	
Temperature Coefficient of Voltage	$V_{\Delta F/T}$	If=700 A		-1.3	V/°C	

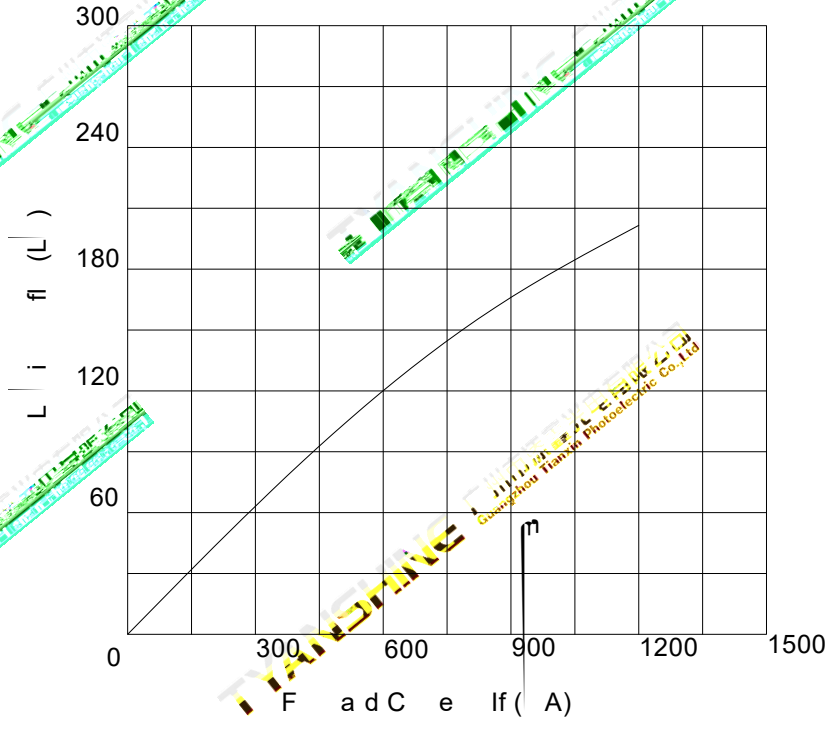
1. Luminous efficacy measured in a light emitting diode file cabinet is a CIE color temperature of 6000K.
2. $\theta_{1/2}$ is the half-angle which the light intensity is half the axial light intensity.
3. Luminous flux efficiency: 15%.
4. Forward voltage efficiency: 0.15V.

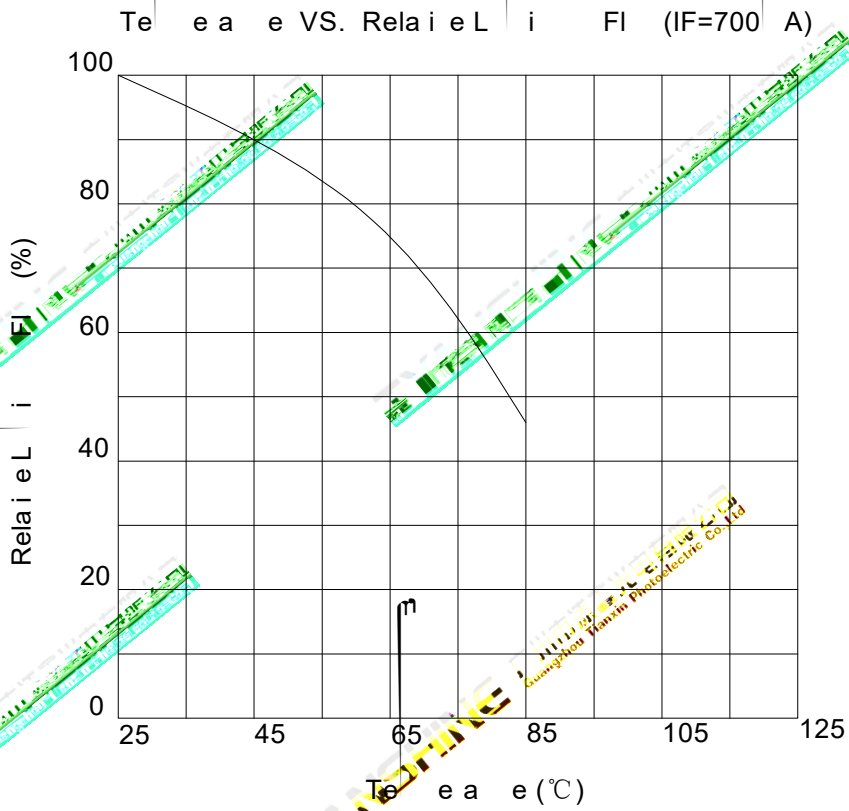
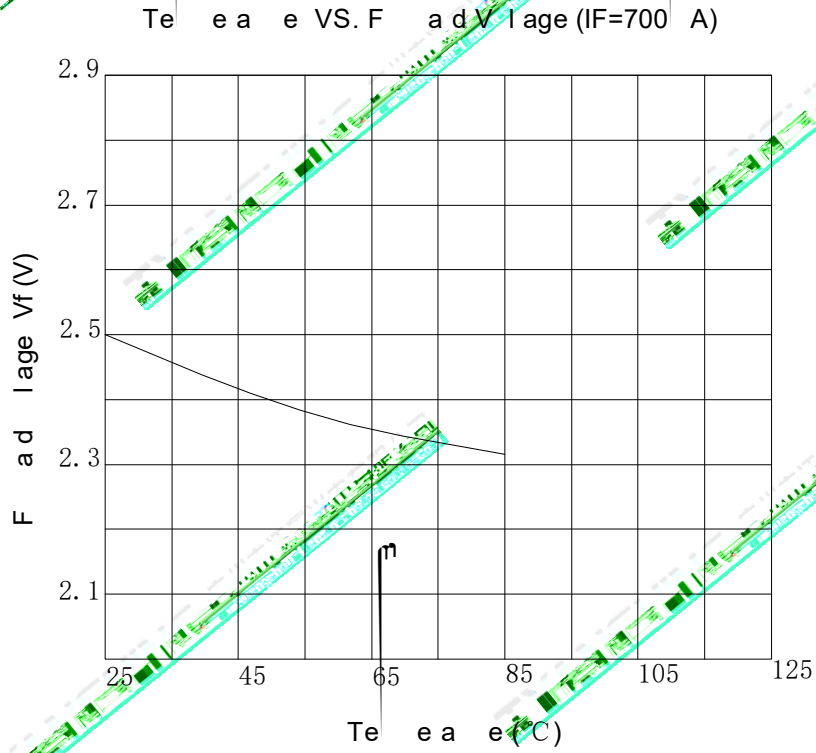
E
(25°C Ambient Temperature)

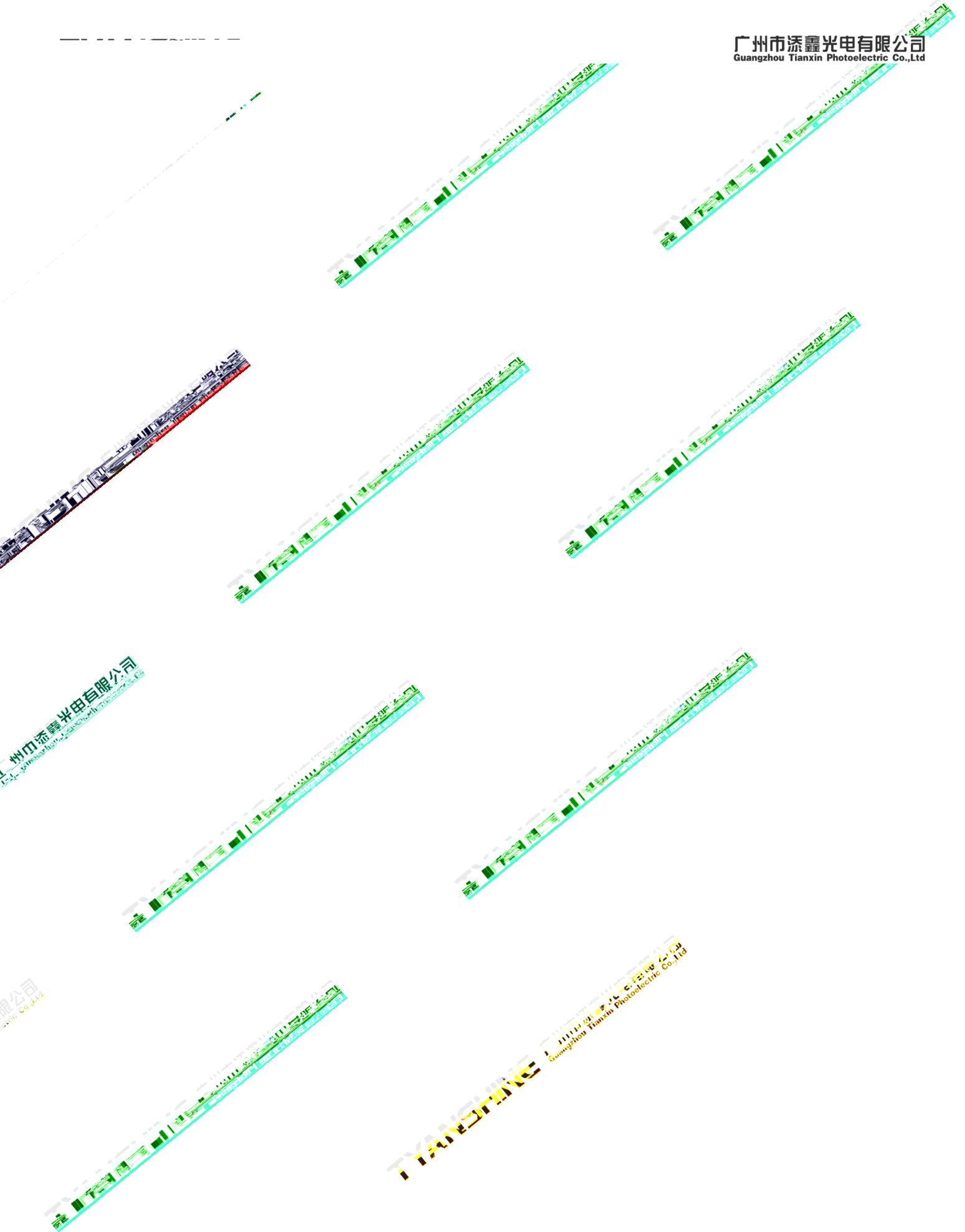
Forward Voltage VS. Forward Current



Forward Current VS. Light Output







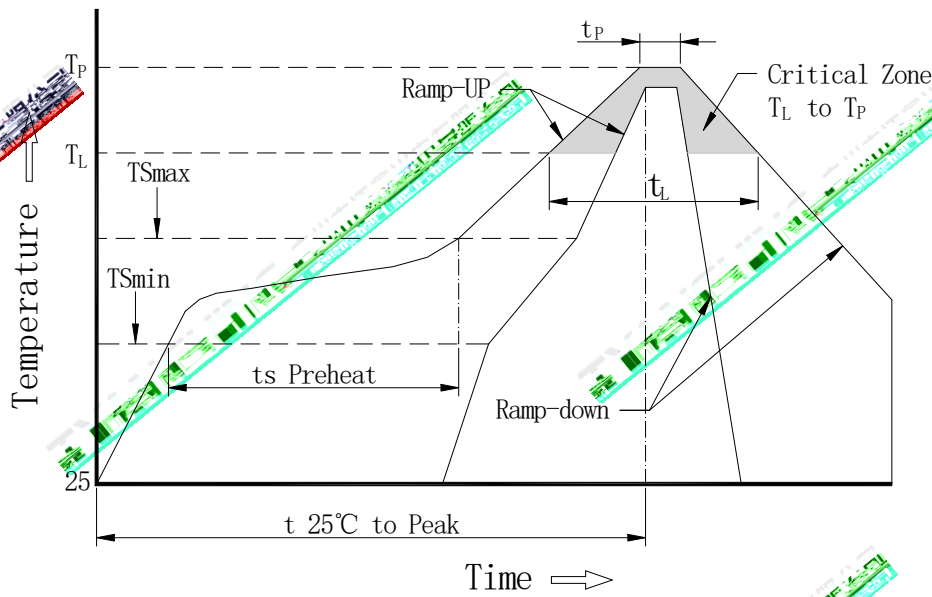
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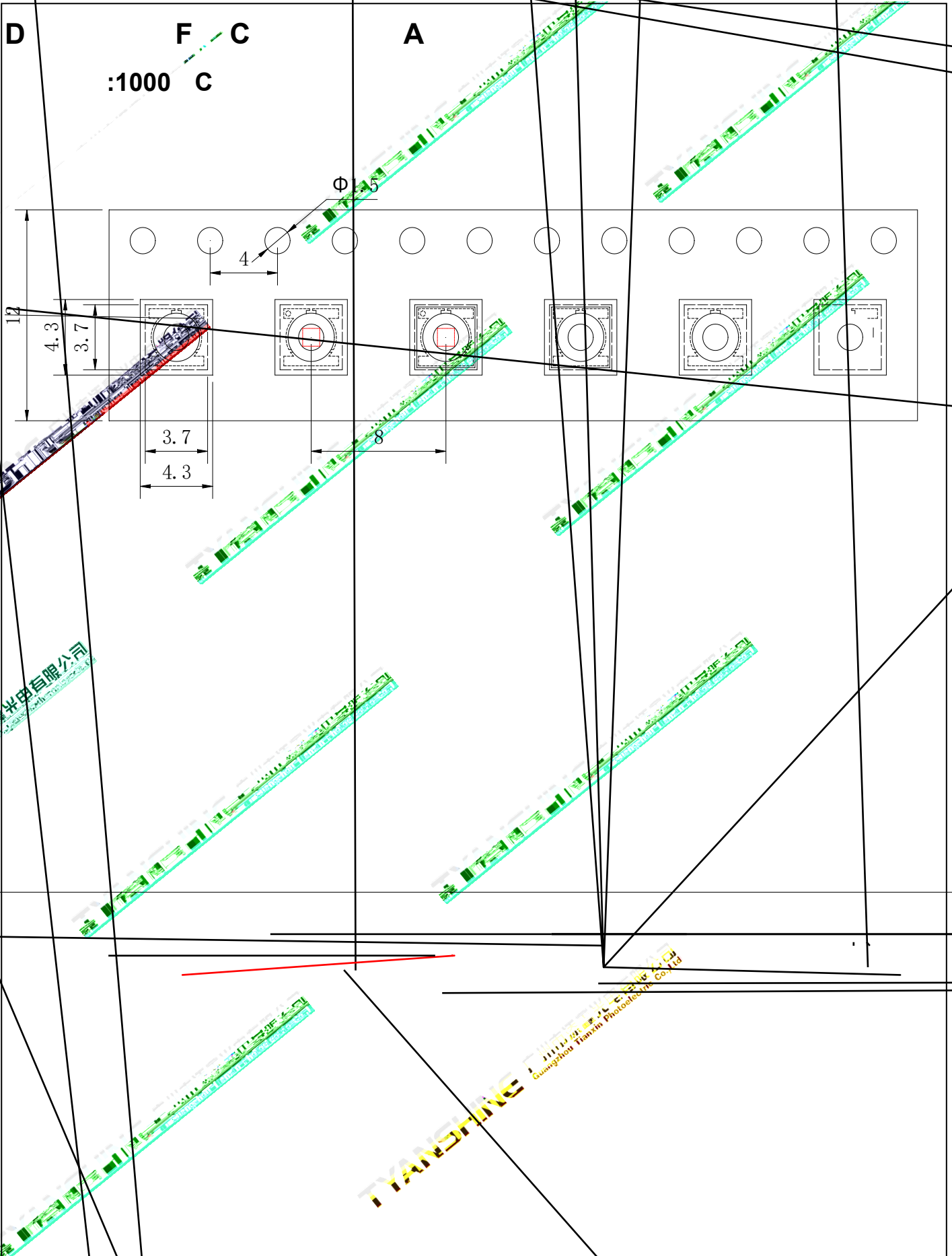
E **C**
 Temperature: 5°C 30°C (41°F 86°F)
 Humidity: 60% RH Max.

C
 Use the conditions in the figure.



F	-F (B 35A 0.3)
Age Rate: $-U_R a e (T_a - T_i)$	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 _L)	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
Rate: $-D_T R a e$	5°C/decade
Time 25°C Peak Temperature	7 min

All electrical effects include the package, leaded package and face.



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