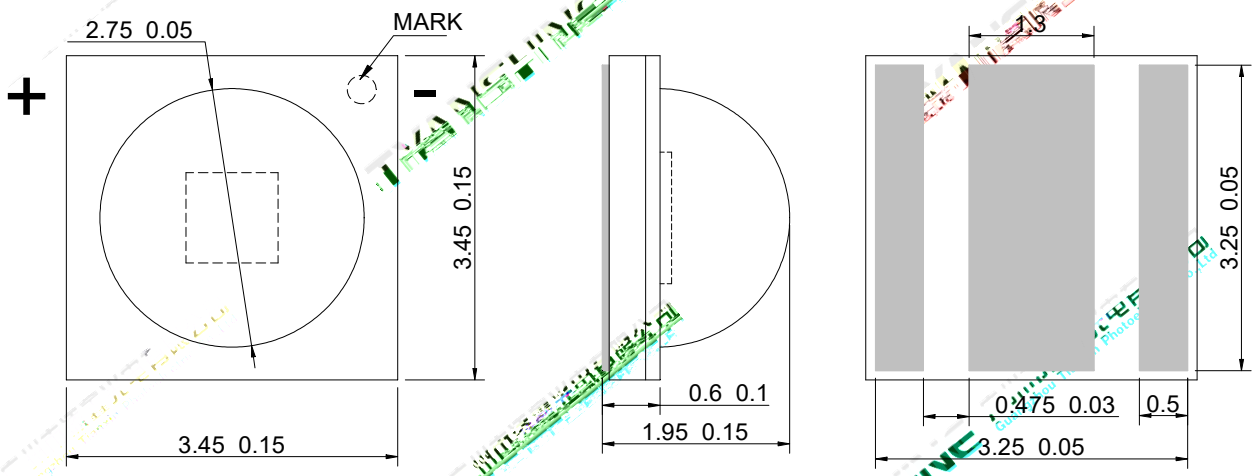
E celle a i i g hea f LED chi e a i g de 2000 A.
High l i .
N UV.
E ca la ed a e ial a e e i e all ce ified a d ee e i e al e i e e .

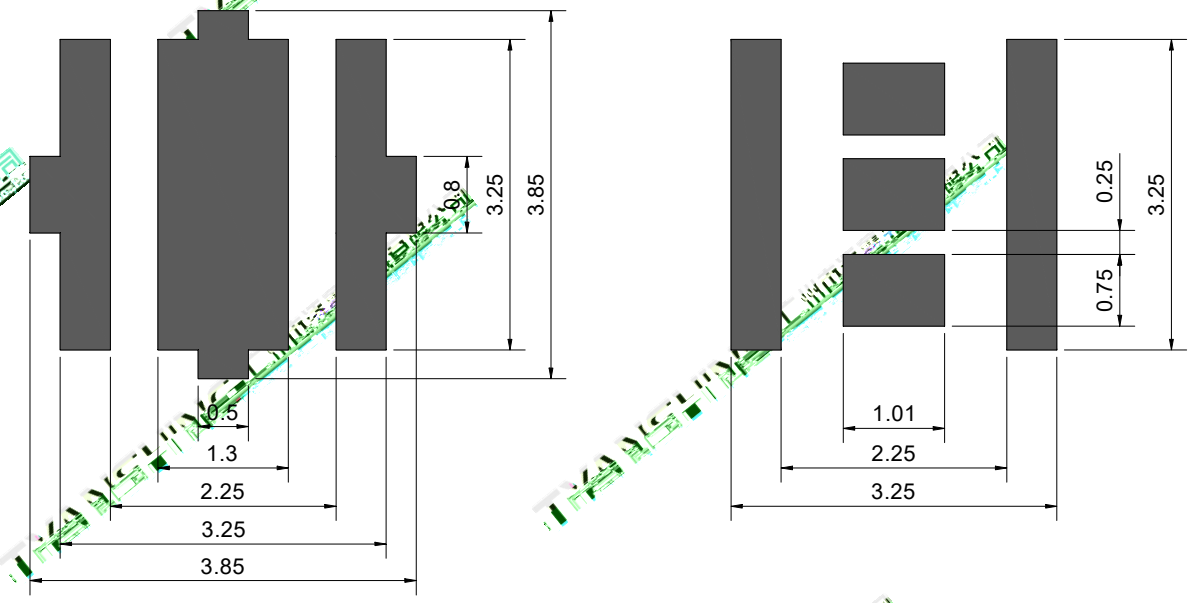
GaN

Red

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



T ie Side ie B ie



Rec e ded lde ad Rec e ded e cil a e

1.All di e i a e illi e e .
2.T le a ce le he i e e i ed a e 0.1

F a d C e	IF	2000	A
Re e e V l age	V_R	N de ig ed f e e e e a i	V
P e Di i a i	P_D	7.0	W
J c i Te e a e	Tj	150	
Elec a ic Di cha ge Th e h ld (ESD)	ESD	ESD e i i e de ice	V
S age Te e a e	T_g	-40 +70	
O e a i Te e a e	T	-30 +85	

1.S ecifica i a e bjec cha ge i h ice.

2.The da a hi ecifica i i f efe e ce l a d he ac al da a i i acc da ce i h he ack ledg e .

3.P eca f ESD:

STATIC SHIELD Elec ici a d ge da age he LED. I i ec e ded e a i ba d a i-elec a ic gl e he ha dli g he LED. All de ice , e i e a d achi e be e l g ded.

L i Fl		If=1000 A	150	190	210	l
F a d V l age	V_F		2.3	2.5	2.8	V
Vie i g A gle a 50 IV	$2_{1/2}$			120		Deg
Peak E i i Wa ele g h			620	625	630	
D i a Wa ele g h	d		615	619	625	
Vie i g A gle a 50 IV	$2_{1/2}$		12	16	20	
Re e e C e	I_R					A
The al Re i a ce J c i Ca e	R_{J-C}	If=1000 A		4.9		K/W
Te e a e C efficie f V l age	V F/T			-2		V/

1.L i i e i i ea ed i h a ligh e a d fil e c bi a i ha a i a e he CIE e e- e e c e.

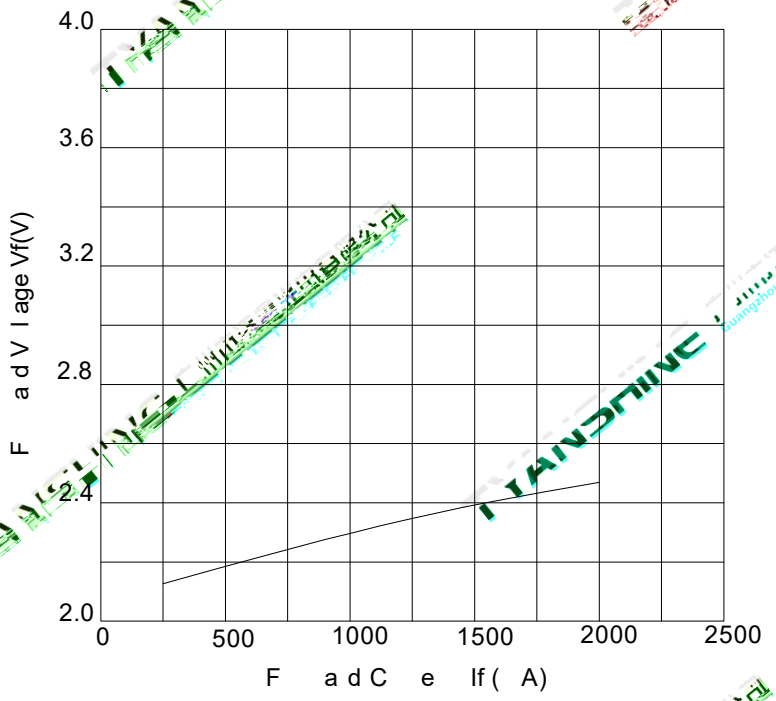
2. $_{1/2}$i he ff-a i a gle a hich he l i i e i i half he a ial l i i e i .

3.L i fl ea e el le a ce: 15%.

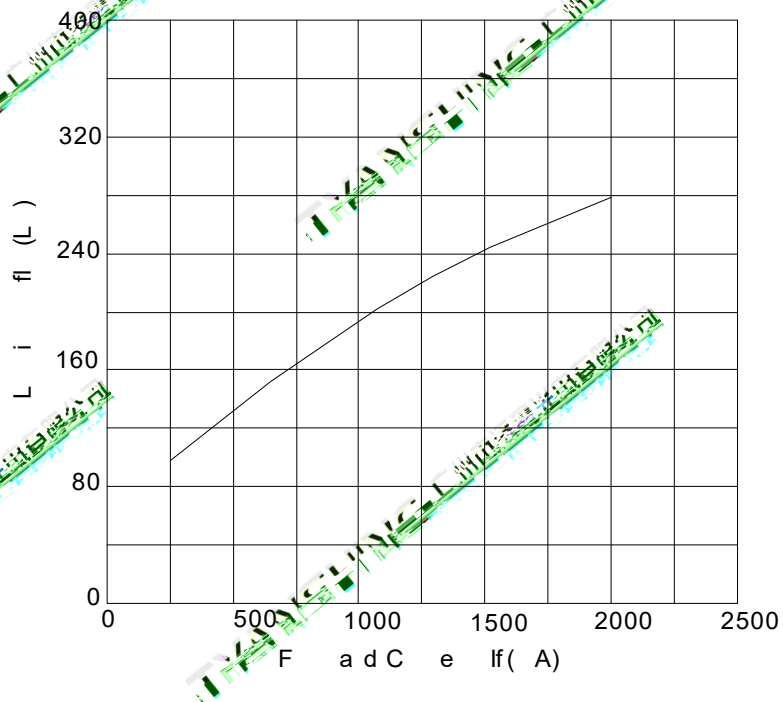
4.F a d l age ea e e le a ce: 0.15V.

(25 A bie Te e a e U le O he i e N ed)

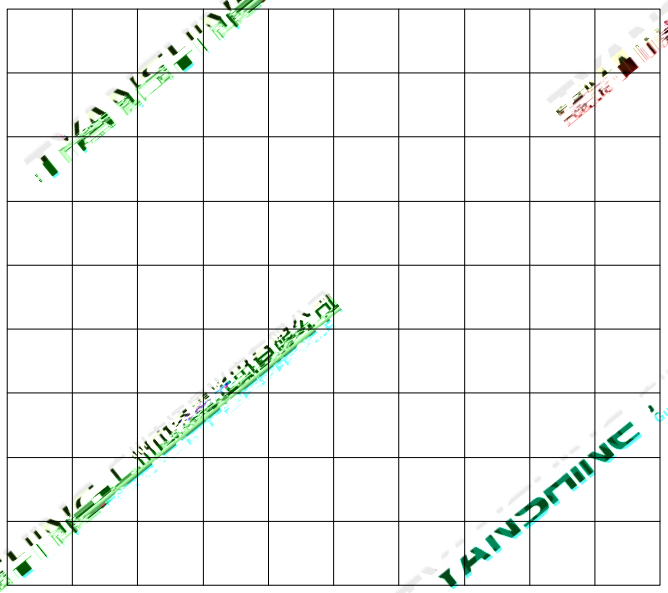
F a d C e VS. F a d V l age



F a d C e VS.L i fl



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



Te e a e: 5 30 (41 86)

H idi : 60% RH Ma .

U e he c di i h he de fig e.