

High Power LED chip size of 2000 μm.

High Power

UV.

Each lot is tested and certified according to the requirements.

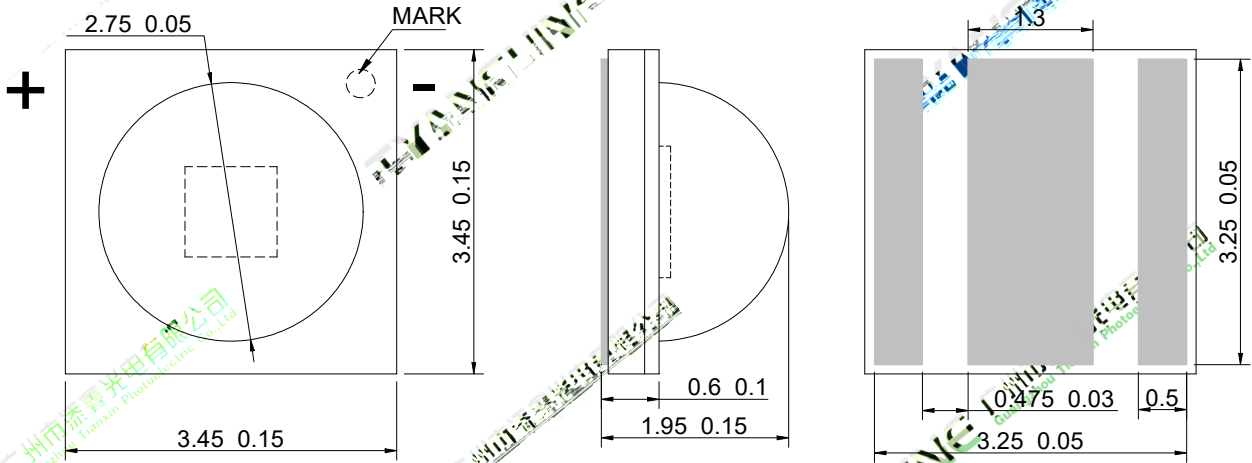
GaN

Red

Aluminum Nitride

Aluminum Oxide

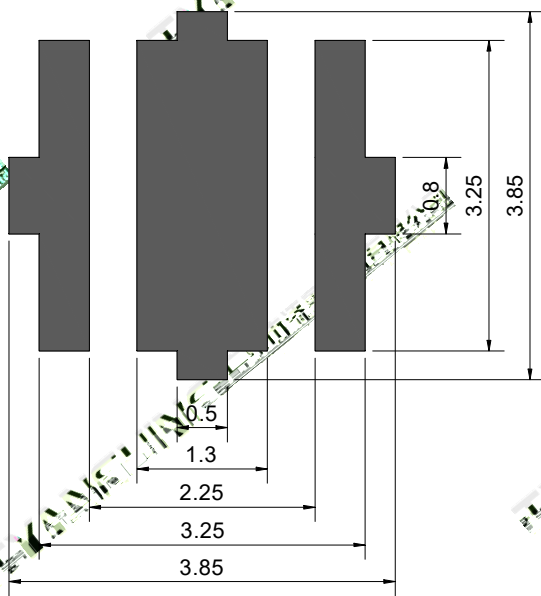
Germanium



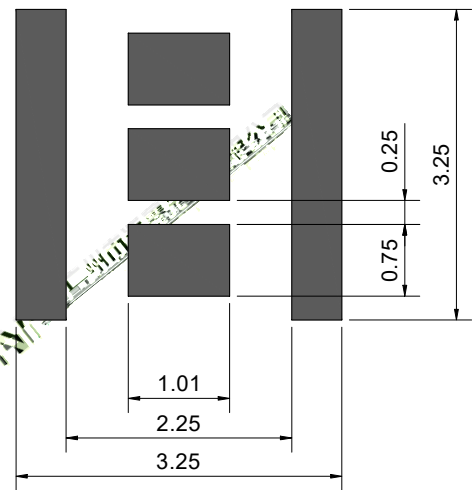
T ie

Side ie

B ie



Rec e ded lde ad



Rec e ded e cil a e

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

Forward Current	IF	2000	A
Reverse Voltage	VR	Not designed for reverse bias	V
Power Dissipation	P <sub>D</sub>	7.0	W
Junction Temperature	T <sub>j</sub>	150	
Electrostatic Discharge Threshold (ESD)	ESD	ESD sensitive device	V
Storage Temperature	T <sub>g</sub>	-40 ~ +70	
Operating Temperature	T	-40 ~ +85	

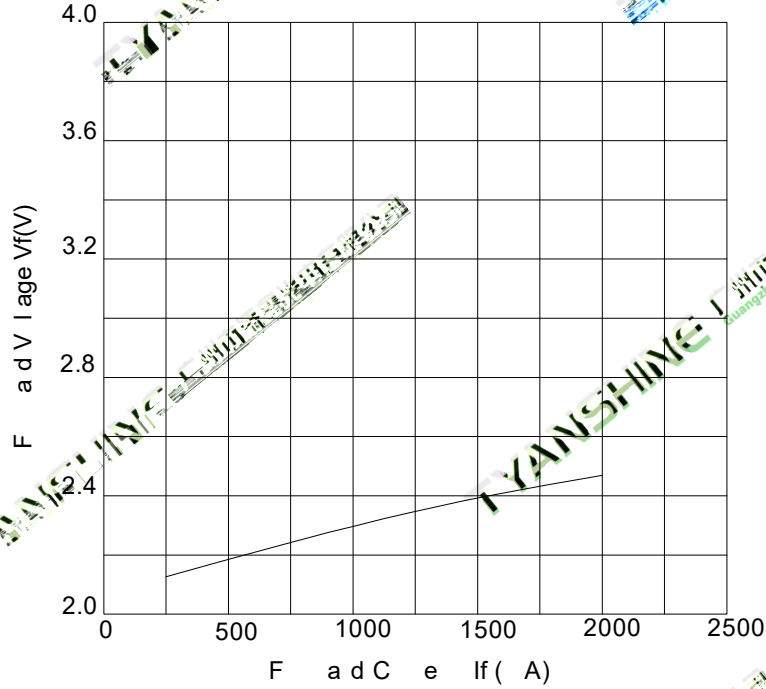
1. Specific area of electrostatic discharge protection.
2. The data sheet specifies the failure rate of the device under the specified conditions. The manufacturer is not responsible for the failure rate of the device under other conditions.
3. Protection of ESD:  
STATIC SHIELD Electrostatic discharge protection for LED. It is recommended to use anti-static bags for the storage and transport of LED. All devices are sensitive to electrostatic discharge.

L i F l		If=1000 A	150	190	210	l
F a d V l a g e	V		2.3	2.5	2.8	V
Vie i g A g l e a 50 I V	2 1/2			120		Deg
Peak E i i W a e l e g h			620	625	630	
D i a W a e l e g h	d		615	619	625	
Vie i g A g l e a 50 I V	2 1/2		12	16	20	
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>Jc</sub>	If=1000 A		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			-2		V/

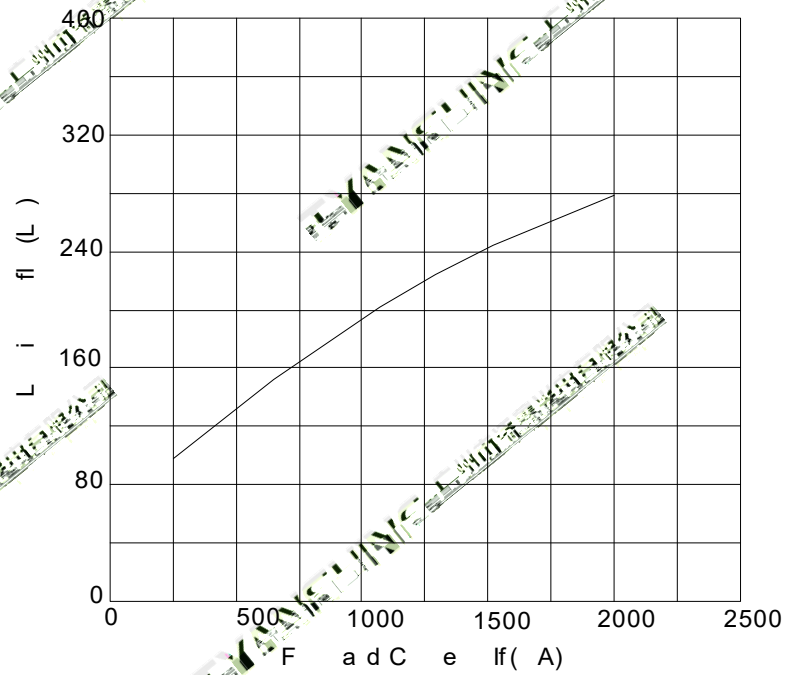
1. L i i e i i e a e d i h a l i g h e a d f i l e c b i a i h a a i a e h e C I E e e e e c e .
2. 1/2 i h e f f a i a g l e a h i g h h e l i i e i i h a l f h e a t a l i i e i .
3. L i f l e a e e l e a c e : 15% .
4. F a d l a g e e a e e l e a c e : 0.15V .

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

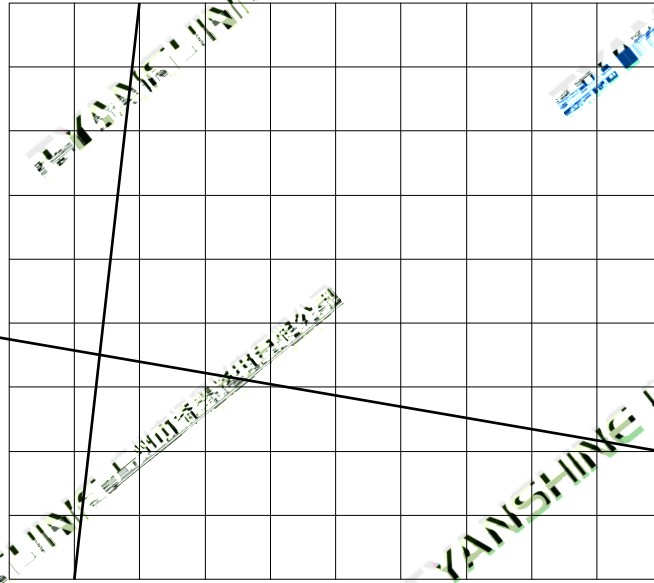
F a d C e VS. F a d V l a g e



F a d C e VS. L i f l



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





Temperature: 5 30 (41 86 )

Humidity: 60% RH Max.

Use the condition in the figure.

