

TX-2016 W8 SA1-NP3CD-01H80 PRODUCT SPECIFICATION

F :

Excellent transiting heat from LED chip operating under 2000mA.

High luminous output.

No UV.

Encapsulated materials are environmentally certified and meet environmental requirements.

C M :

GaN

A

AA

E

C :

White(W)/Warm White(S)

AA

A

:

Portable Flashlight

Garden lighting

General Lighting

AA

A

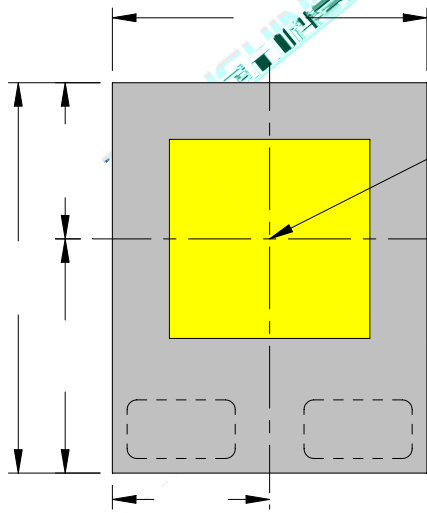
P

D

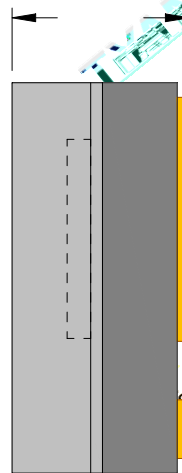
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A

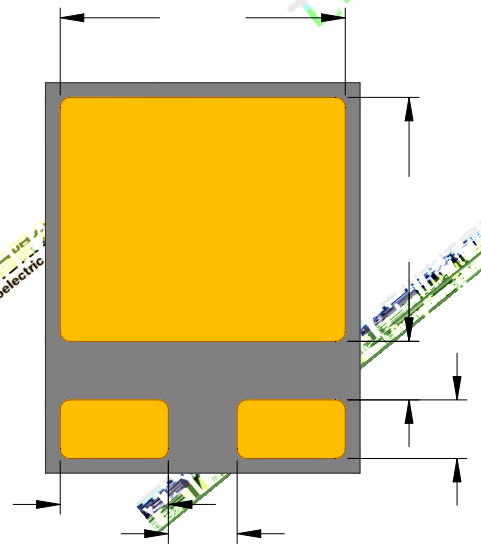
A



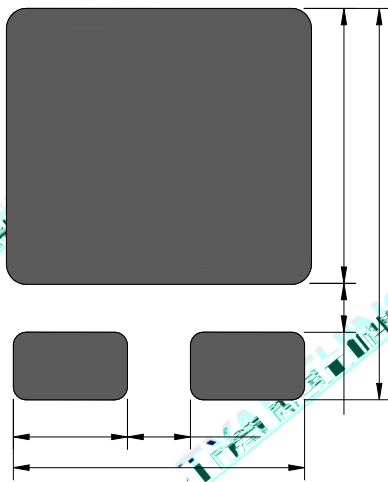
Top view



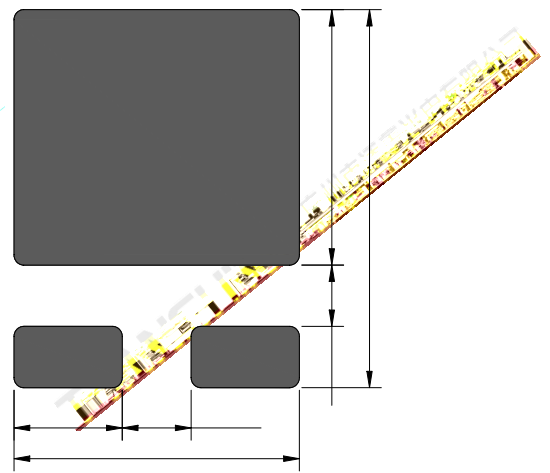
Side view



Bottom view



Recommended solder pad



Recommended stencil pattern

N

1. All dimensions are in millimeters .
2. Tolerances unless otherwise mentioned are $\pm 0.1\text{mm}$.

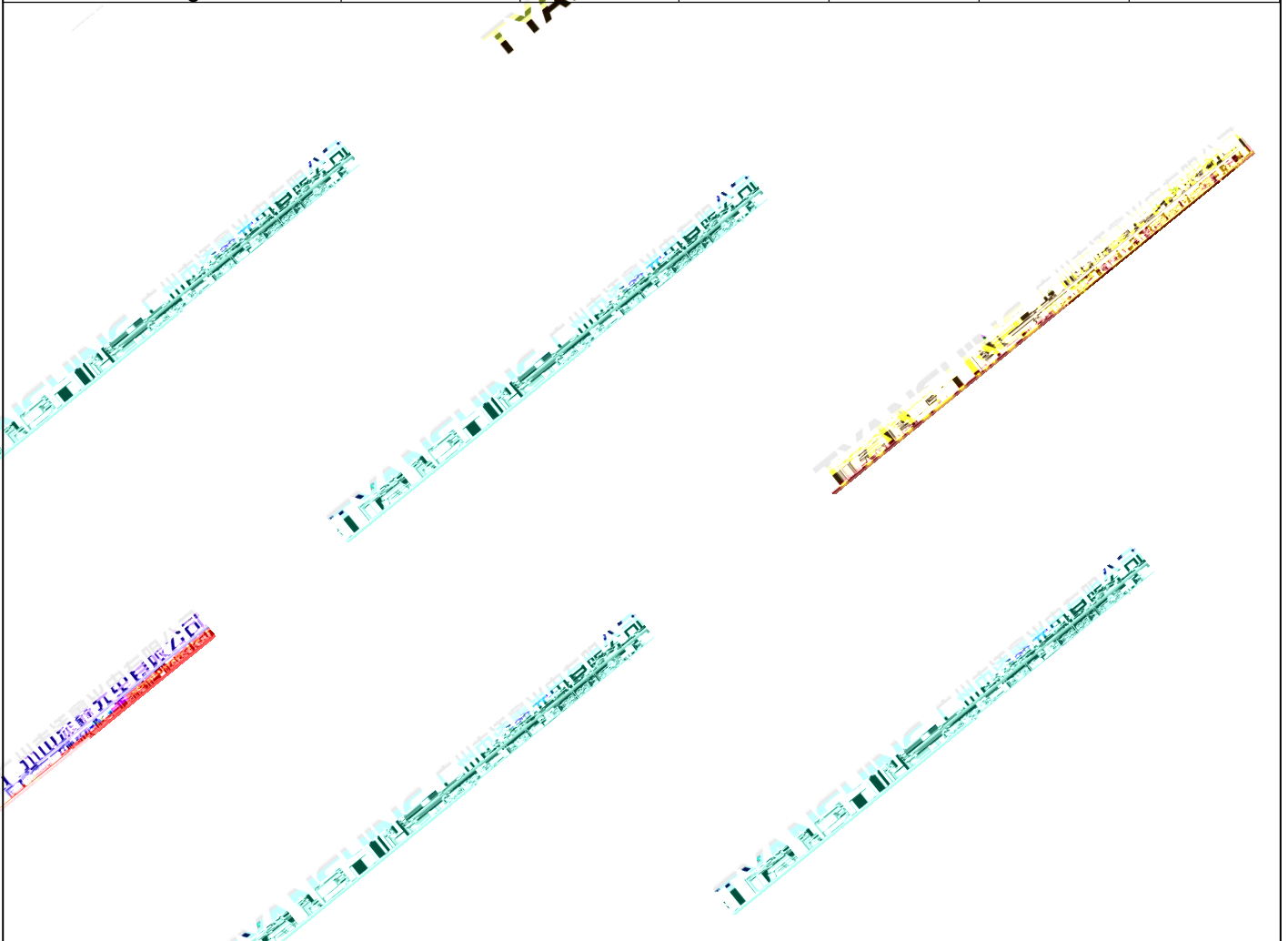
A M R^A (T_A=25) A

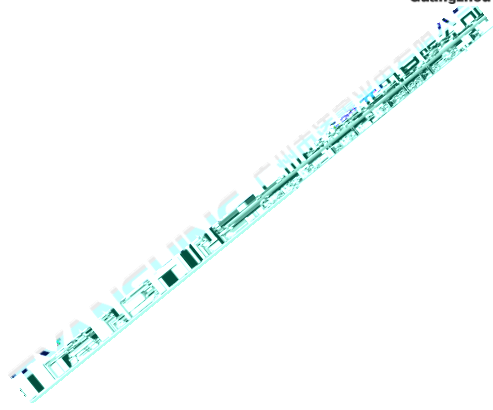
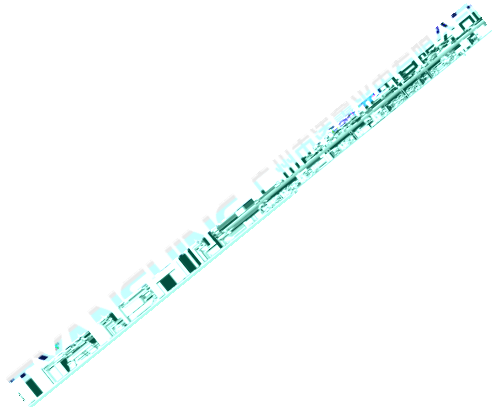
P	S	R	
Forward Current	IF	2000	mA
Reverse Voltage	V _R	5	V
Power Dissipation	P _D	9.25	W
Junction Temperature	T _J	150	
Electrostatic Discharge Threshold (ESD)	ESD	ESD sensitive device	V
Storage Temperature	T _{stg}	-40~+70	
Operation Temperature	T _{opr}	-30~+85	

N :

- 1.Specifications are subject to change without notice.
- 2.The data on this specification is for reference only and the actual data is in accordance with the acknowledgment.
- 3.Precautions for ESD:
STATIC SHIELD Electricity and surge damages the LED. It is recommended to use a wrist band or anti-electrostatic glove when handling the LED. All devices, equipment and machinery must be properly grounded.

E O C AA AA (T =25 C IF=1.0A)						
P	S	E C	M .	T .	M .	
Luminous Flux	ν	W	220	260	—	lm
Forward Voltage	V_f	W	2.8	3.1	3.4	V
Correlated Colour Temperature	CCT	W1	2850	2960	3130	K
		W2	3780	4050	4300	
Color Rendering Index	Ra	W	80	82	—	—
Spectral Line Half-Width		W	19	24	29	nm
Viewing Angle at 50 IV	2 1/2	W	—	120	—	Deg
Reverse Current	I_R	—	—	—	2	μA
Thermal Resistance Junction to Case	R_{J-C}	W	—	4.5	—	K/W
Temperature Coefficient of Voltage	$V_{F/T}$	—	—	-2.8	—	mV/

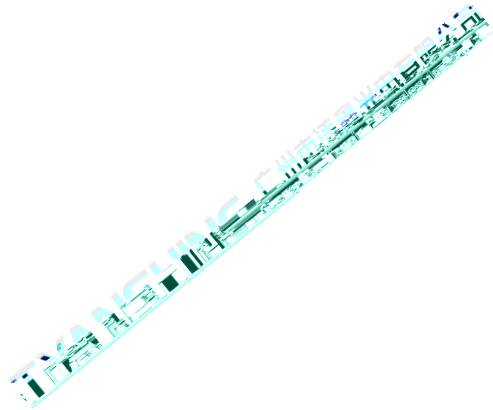
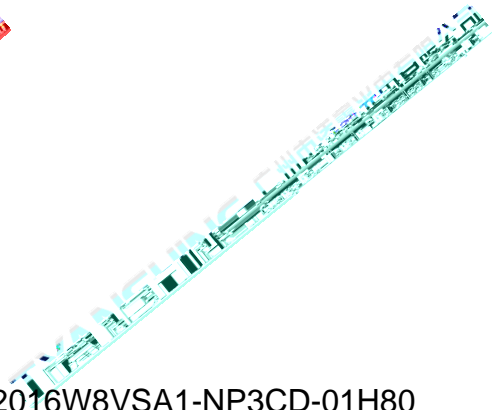
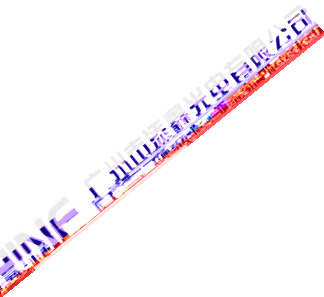
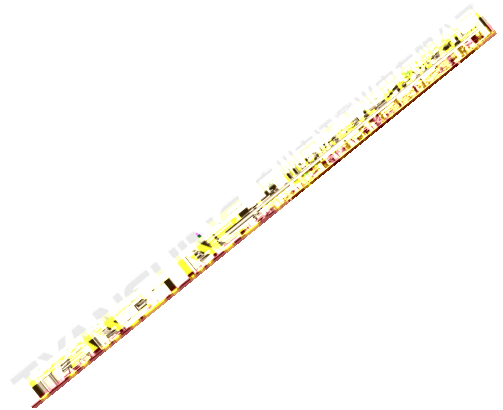
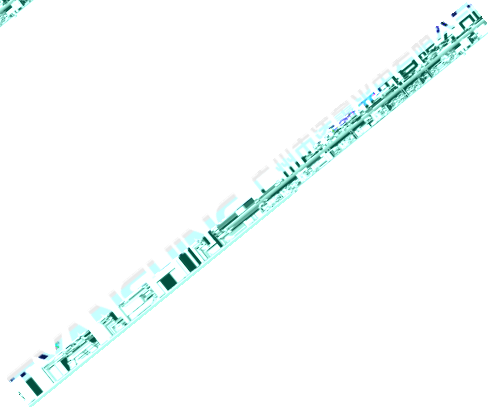
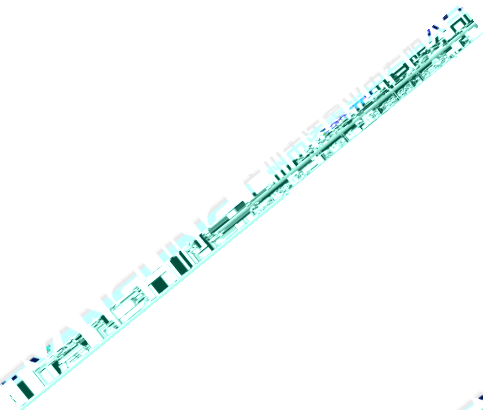
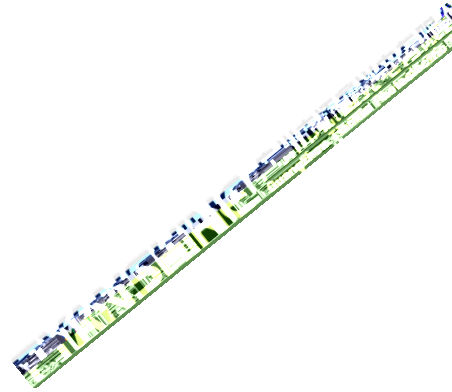


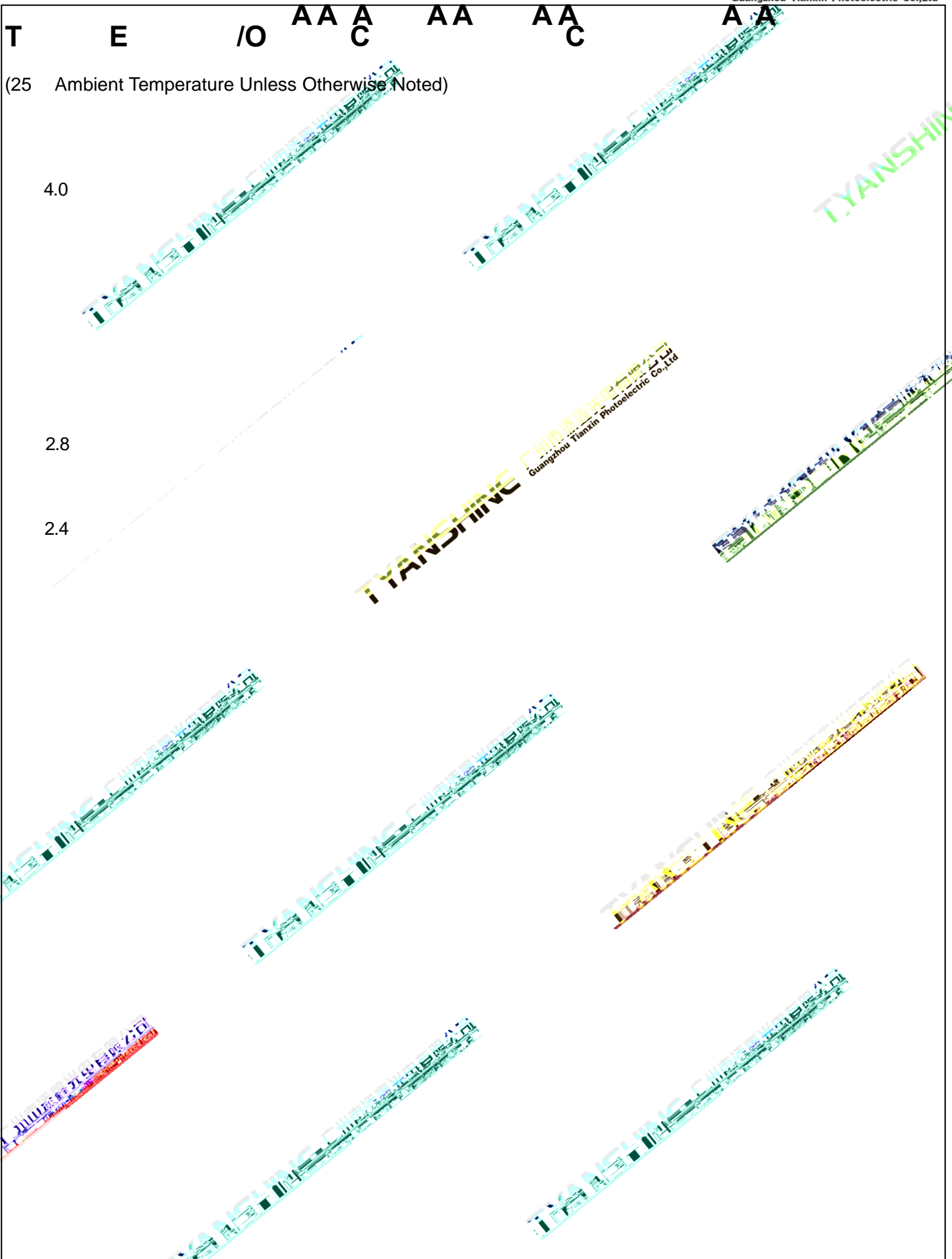


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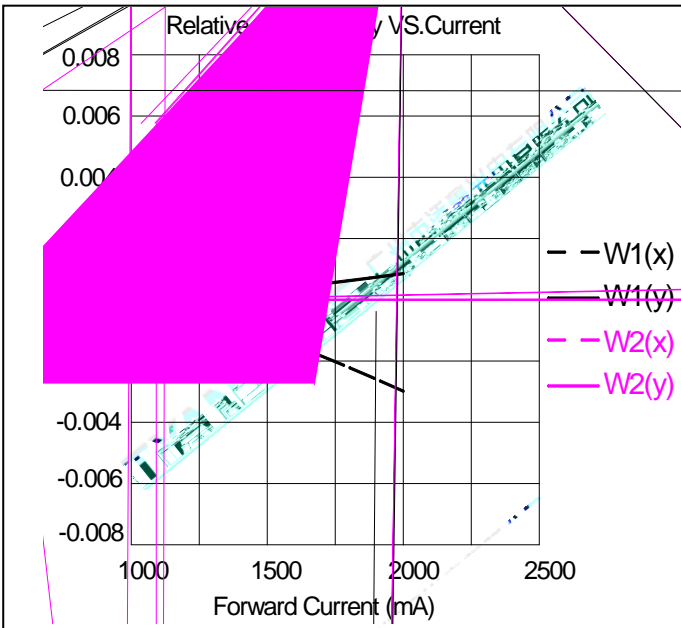


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(25 Ambient Temperature Unless Otherwise Noted)



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P
S E C A A
A AA

Temperature: 5 ~ 30 (41 ~ 86)

Humidity: 60% RH Max.

S C A A AA

Use the conditions shown to the under figure.

