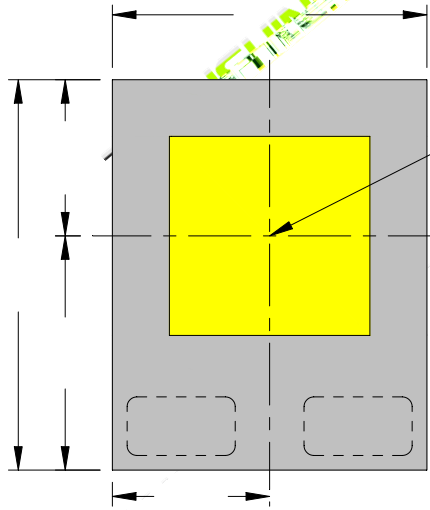


# T -2016 8 SA1-NP3CD-01H80 PROD CT SPECIFICATION

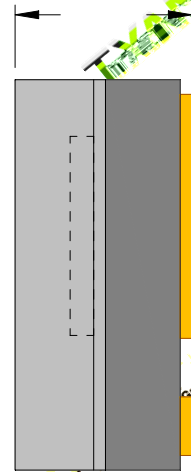
**F** :  
Excellent transiting heat from LED chip operating under 2000mA.  
High luminous output.  
No UV  
Encapsulated materials are environmentally certified and meet environmental requirements.

**C M** : GaN  
**E C** : White(W)/Warm White(S)  
**A** :  
Portable Flashlight  
Garden lighting  
General Lighting

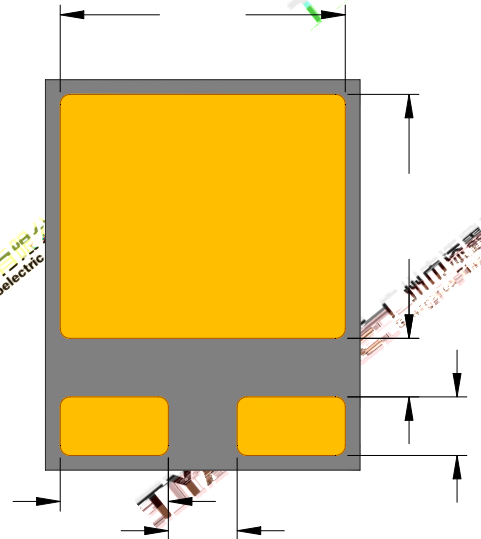
Part No.	TX-2016W8VSA1-NP3CD-01H80	Spec No.	WKF-EP0011	Page	1 of 9
----------	---------------------------	----------	------------	------	--------



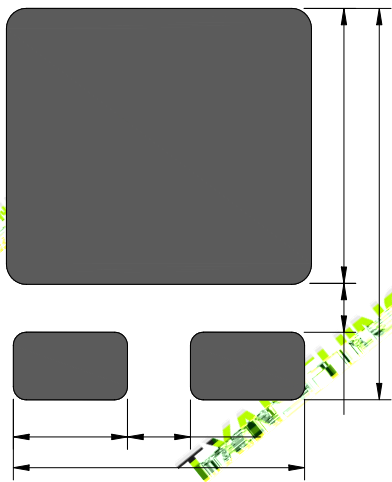
Top view



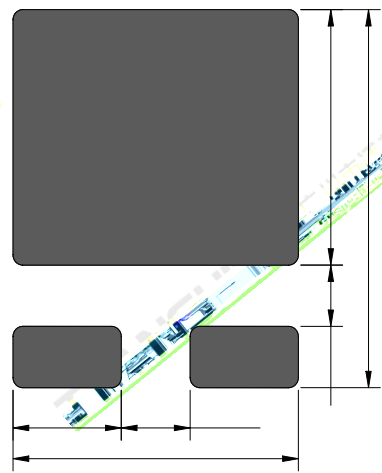
Side view



Bottom view



Recommended solder pad



Recommended stencil pattern

N  
1. All dimensions in mm

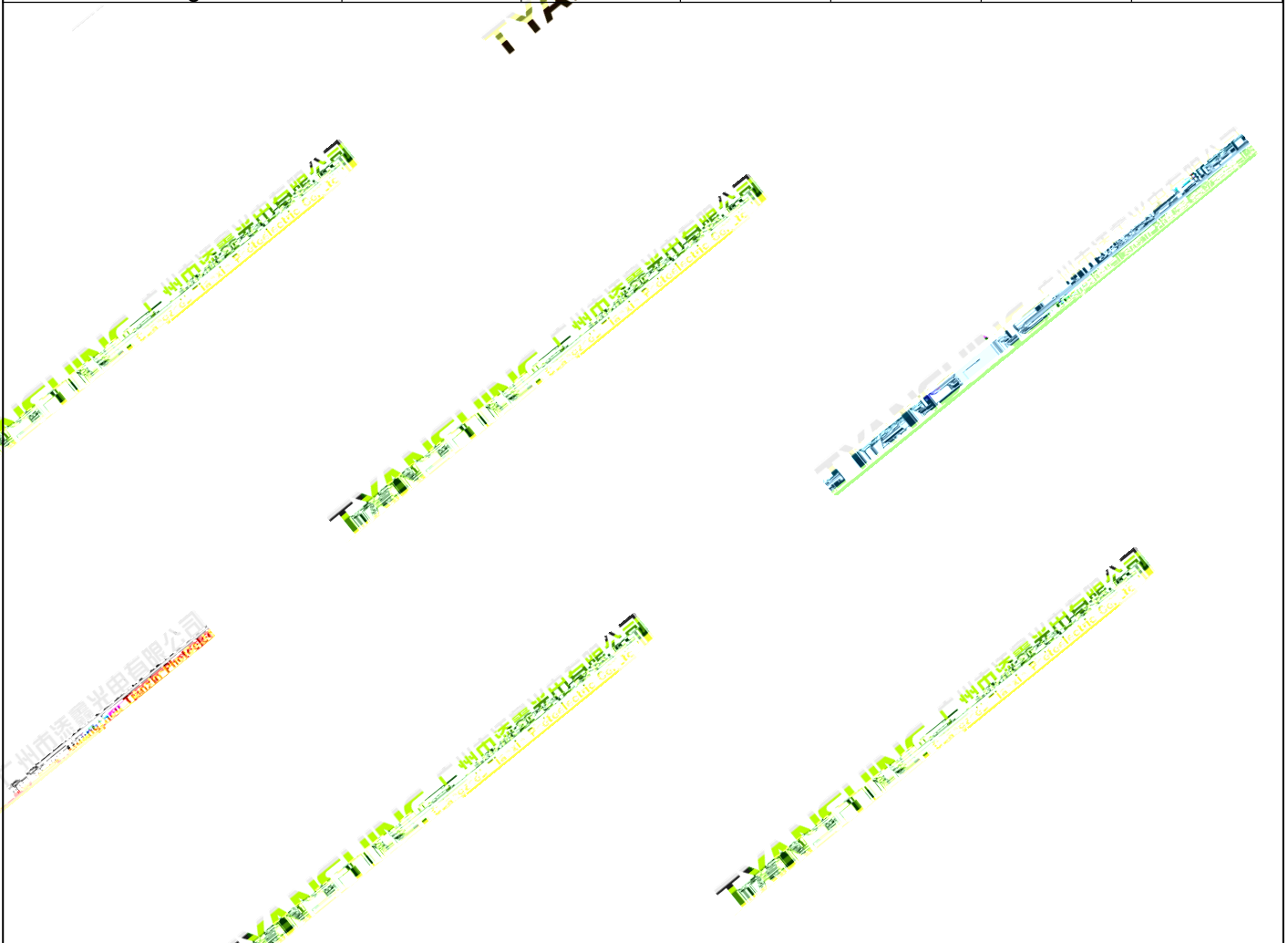
**A M R (T =25 )**

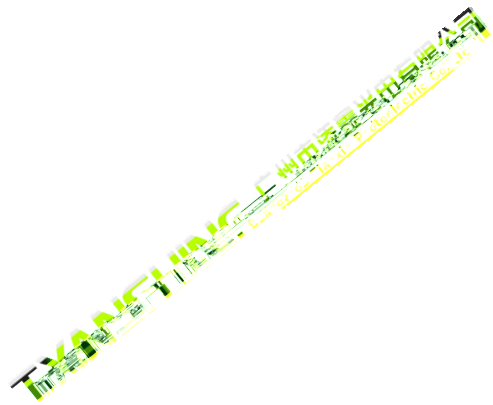
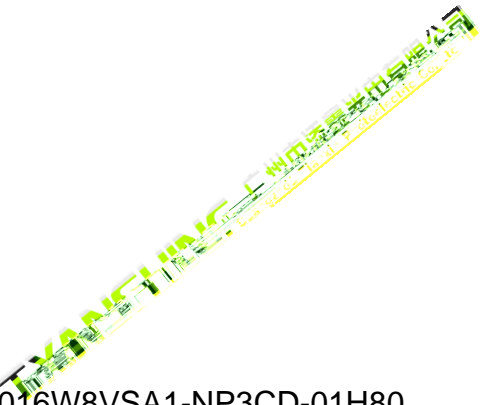
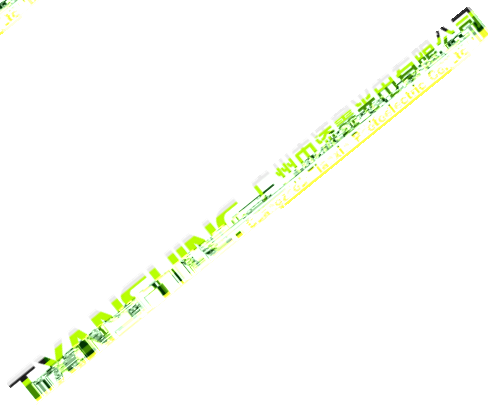
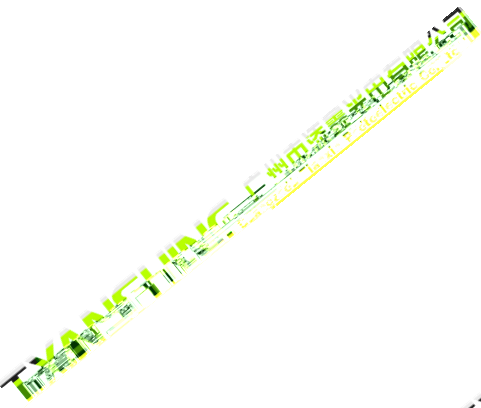
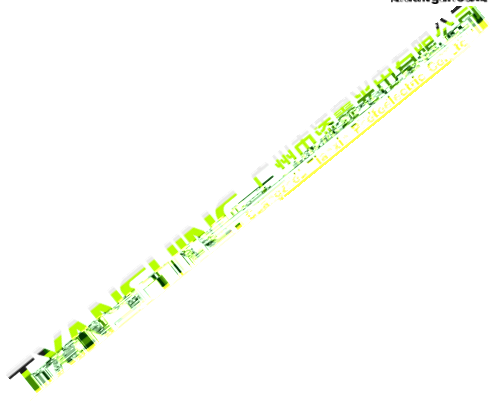
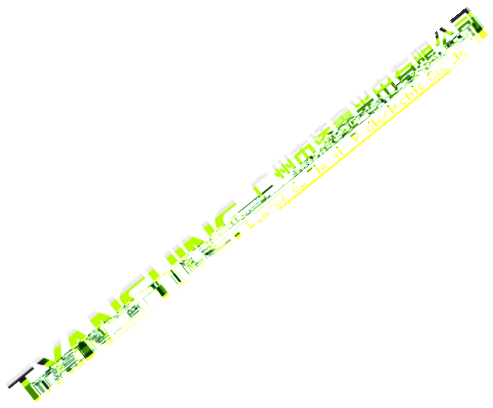
P	S	R	
Forward Current	IF	2000	mA
Reverse Voltage	VR	5	V
Power Dissipation	PD	9.25	W
Junction Temperature	Tj	150	
Electrostatic Discharge Threshold (ESD)	ESD	ESD sensitive device	V
Storage Temperature	Tstg	-40~+70	
Operation Temperature	Topr	-30~+85	

**N :**

- Specifications are subject to change without notice.
- The data on this specification is for reference only and the actual data is in accordance with the acknowledgment.
- 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 (T =25 C IF=1.0A)						
P	S	E C	M .	T .	M .	
Luminous Flux	$\nu$	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	$2 \frac{1}{2}$	W	—	120	—	Deg
Reverse Current	$I_R$	—	—	—	2	$\mu A$
Thermal Resistance Junction to Case	$R_{J-C}$	W	—	4.5	—	K/W
Temperature Coefficient of Voltage	$V_{F/T}$	—	—	-2.8	—	mV/





**T E I O C C**

(25 Ambient Temperature Unless Otherwise Noted)

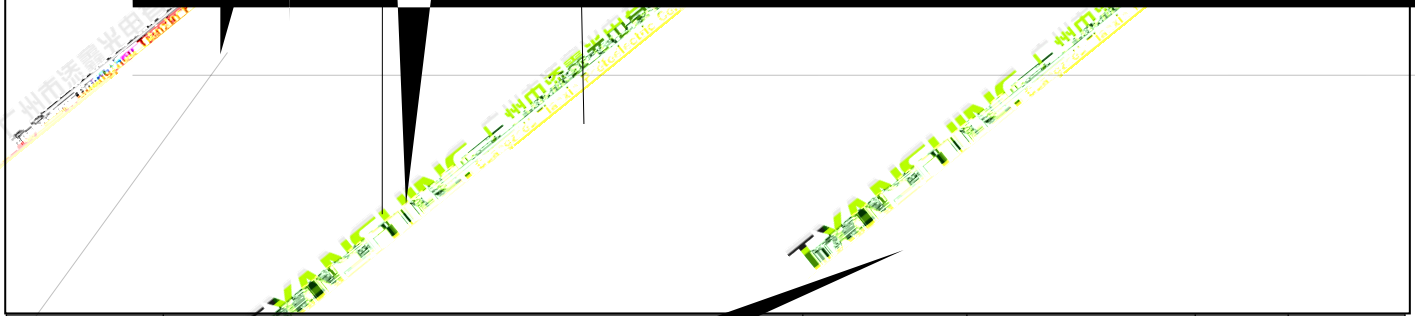
4.0

2.8

2.4

Part No.	TX-2016W8VSA1-NP3CD-01H80	Spec No.	WKF-EP0011	Page	6 of 9
----------	---------------------------	----------	------------	------	--------

25



Part No.	TX-2016W8VSA1-NP3CD-01H80	Spec No.	WKF-EP0011	Page	7 of 9
----------	---------------------------	----------	------------	------	--------



P

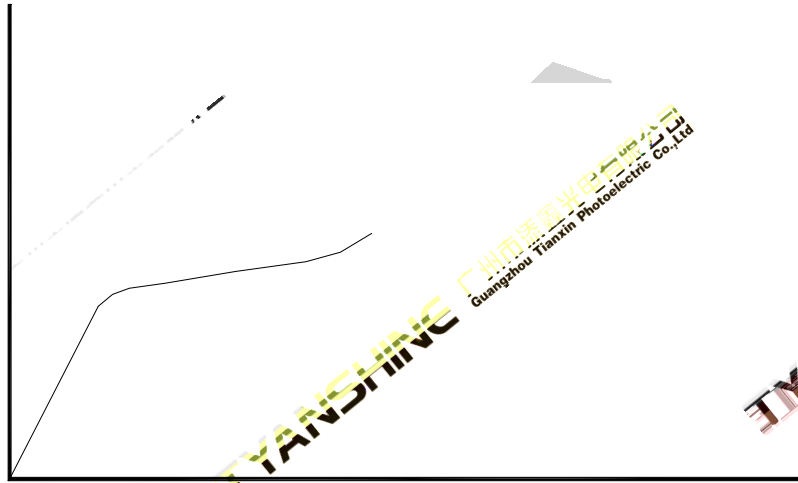
S E C

Temperature: 5 ~ 30 (41 ~ 86)

Humidity: 60% RH Max.

S C

Use the conditions shown to the under figure.





D F C A P  
Q : 3000PCS

