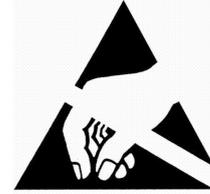


## ◆Features:

- ◆ Super high flux output and high luminance
- ◆ Extremely wide viewing angle
- ◆ Suitable for all SMT assembly and solder process
- ◆ Available on tape and reel
- ◆ Package: 1000pcs/reel
- ◆ ROHS compliant



ATTENTION  
OBSERVE PRECAUTIONS  
FOR HANDLING  
ELECTROSTATIC  
DISCHARGE  
SENSITIVE  
DEVICES

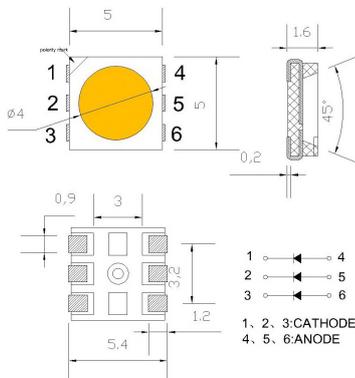
## ◆ABSOLUTE MAXIMUM RATING (Ta=25°C)

Item	Symbol	Value	Unit
Peak Forward Current	IFp	60*3	mA
Reverse Voltage	VR	5.0	V
Continuous Forward Current	IF	20*3	mA
Recommend Operating Current	IF	18*3	mA
Operating Temperature	Topr	-20 to 60	°C
Storage Temperature	Tstg	-30 to 100	°C
Lead Soldering Temperature	Tsol	250°C For 3 Seconds(2mm from body)	

## ◆CHARACTERISTICS (Ta=25°C)

Parameter	Condition	Symbol	Min	Typ	Max	Units
Power Dissipation	IF=20*3mA	Pd	--	200	--	mw
Correlated Color Temperature	IF=20*3mA	CCT	4000	/	4500	K
Forward Voltage	IF=20*3mA	VF	2.8	3.4	3.8	v
Reverse Current	VR=5V	IR	--	--	10	μA
Chromaticity Coordinates	IF=20*3mA	X	--	0.32	--	
	IF=20*3mA	Y	--	0.34	--	
Luminous Intensity	IF=20*3mA	IV	--	--	--	mcd
Luminous Flux	IF=20*3mA	φv	15	--	18	Lm
Color Rendering Index	IF=20*3mA	CRI	65	--	--	Ra
Full Viewing Angle	IF=20*3mA	2θ1/2	--	110	--	deg

## ◆PACKAGE DIMENSIONS



## ◆实物图



REMARK: 1:1

Date	2012-06-01	Page	1/1	Model No.	SD5050WN	CHECKED	汪友刚
REV No.	A0	Document No.	1905050001	CUSTOMER		APPROVED	袁玉成

NOTE: Testing tolerance: VF±0.1V, IV(Φv) ±10%, 2θ 1/2 ±10%, CCT (λD) ±15%;