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Technical Data Sheet

MODEL NO : S3014ANW4-M

SMD Package 3.0*1.4mm*0.8mm TOP LED

Features :

- Package in 8mm tape on 7" diameter reel
- Compatible with automatic placement equipment
- Compatible with reflow solder process

Applications :

- Indicators
- Automotive : backlighting in dashboard and switch
- Backlight for LCD

Dice material	Emitted color	Lens Color
InGaN	White	Yellow

Electrical/Optical Characteristics(Ta=25°C)

Parameter	Test Condition	Symbol	Value			Unit
			Min	Typ	Max	
Forward voltage	IF=30mA	VF	3.0		3.8	V
CIE Coordinates	IF=30mA	X		0.32		
		Y		0.33		
Color Temperature	IF=30mA	CCT		6200		K
Color Rendering Index	IF=30mA	RA	80			
Luminous intensity	IF=30mA	Iv	3500		5050	mcd
Lumen	IF=30mA	ϕ		11		Lm
Viewing angle at 50% Iv	IF=30mA	2θ 1/2		12		Deg
Reverse current	VR=5V	IR			10	μA

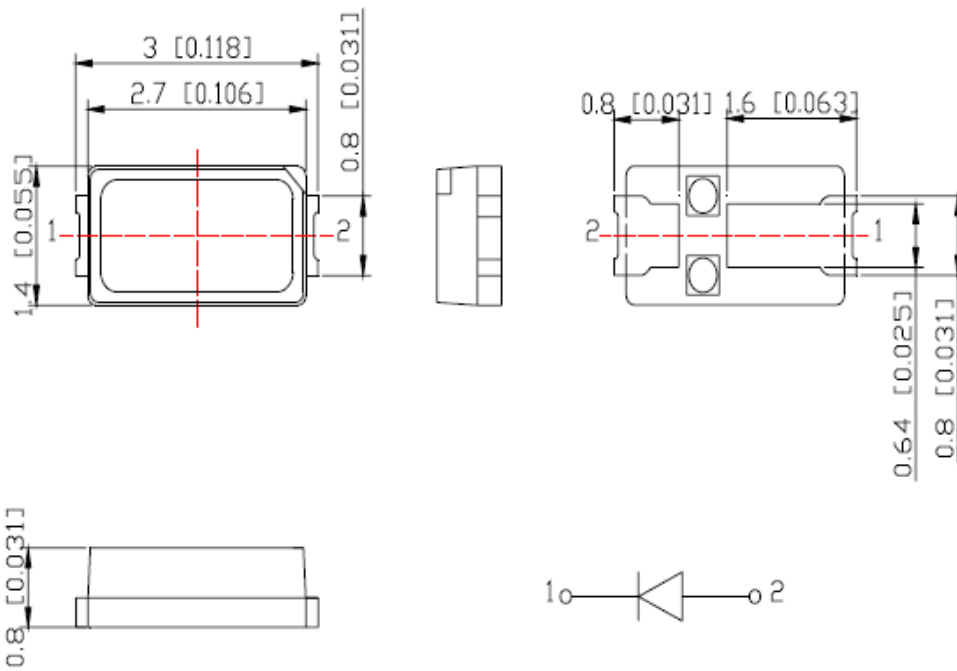
Absolute Maximum Ratings(Ta=25°C)

Parameter	Symbol	Value	Unit
Power dissipation	Pd	120	mW
Forward current	IF	30	mA
Reverse voltage	VR	5	V
Operating temperature range	Top	-40 ~+85	°C
Storage temperature range	Tstg	-40 ~+85	°C
Peak pulsing current (1/8 duty f=1kHz)	IFP	100	mA



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PACKAGING DIMENSIONS (mm):

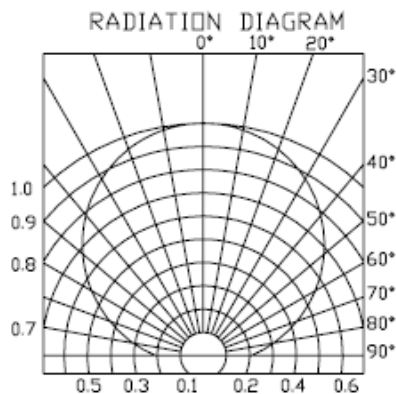
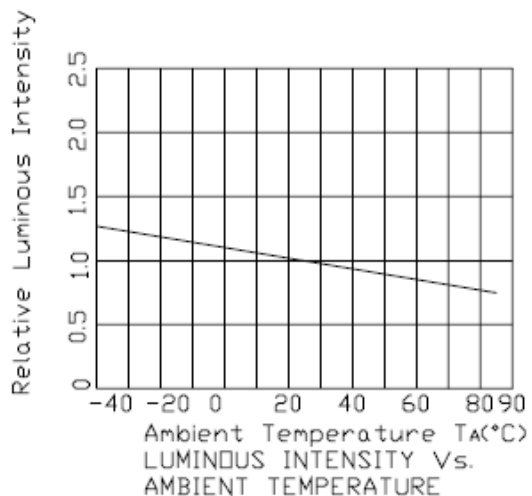
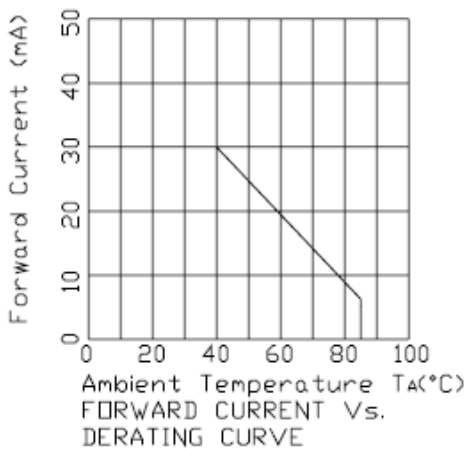
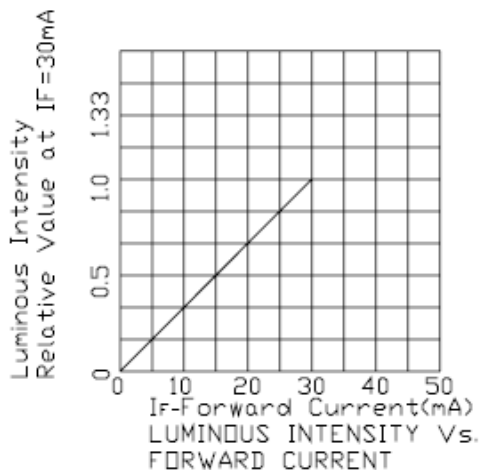
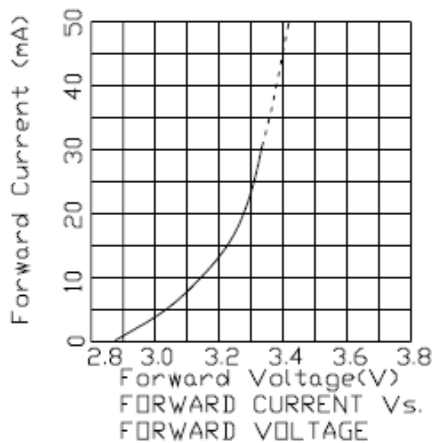


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Typical Electrical/Optical Characteristics Curves

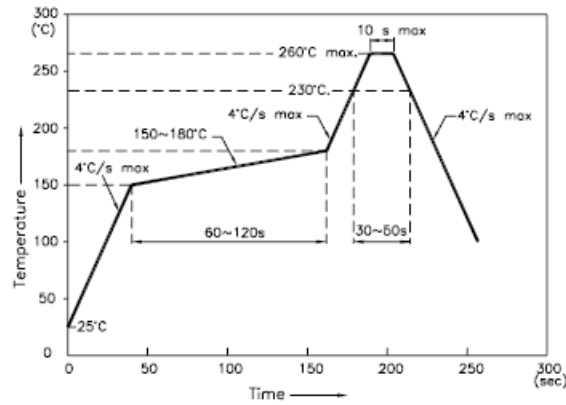




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Soldering Profile

Reflow Soldering Profile For Lead-free SMT Process.

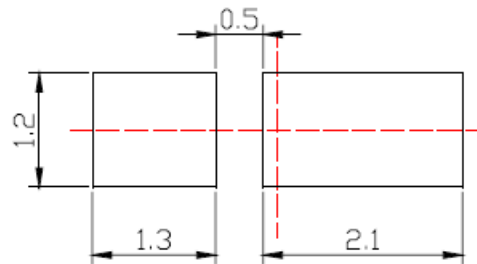


NOTES:

1. We recommend the reflow temperature 245°C(+/-5°C). The maximum soldering temperature should be limited to 260°C.
2. Don't cause stress to the epoxy resin while it is exposed to high temperature.
3. Number of reflow process shall be 2 times or less.

Recommended soldering pattern

(Units:mm)



Tape specifications

(Units:mm)

