

# Datasheet 81 SMD LED KL3L3014W 30mA

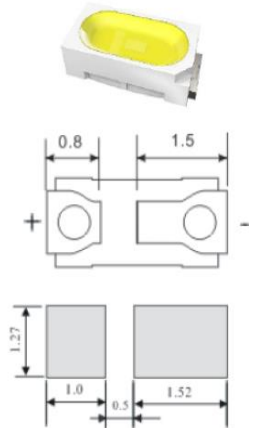
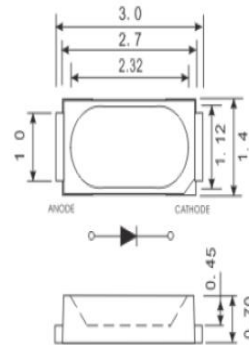
## Features :

- ◆ IR reflow process compatible
- ◆ 3.0\*1.4mm SMD LEDS
- ◆ Low Power Consumption
- ◆ Wide View Angle: 120°
- ◆ Excellent Product Quality and Reliability
- ◆ Package: 4000pcs/ reel

## Applications :

- ◆ Optical Indicator
- ◆ Decorative and Entertainment Lighting
- ◆ Backlighting
- ◆ Automotive and Telecommunication
- ◆ Household Appliances

Package Dimensions



## Absolute Maximum Rating

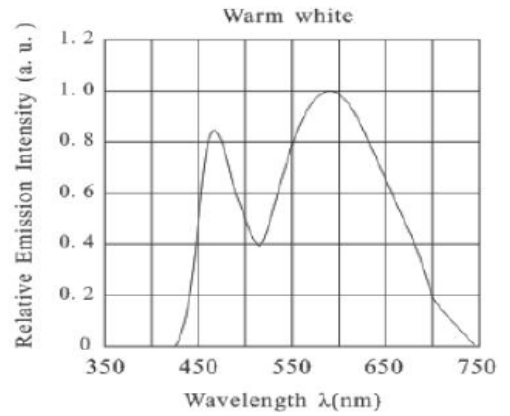
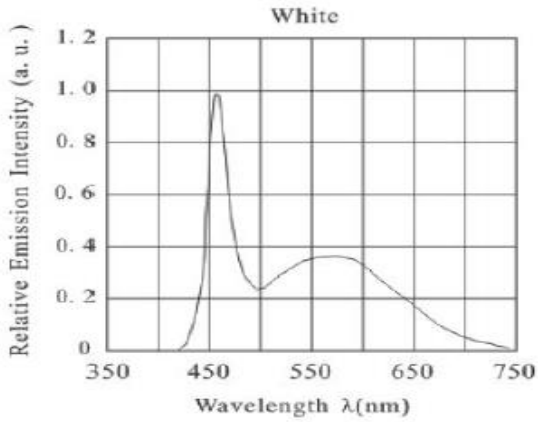
Item	Symbol	Absolute Maximum Rating	Unit
Forward Current	IF	30	mA
Pulse Forward Current	IFP	150	mA
Reverse Voltage	VR	5	V
Power Dissipation	PD	108	mW
Junction Temperature	Tj	120	°C
Operating Temperature	Topr	-40~+85	°C
Storage Temperature	Tstg	-40~+100	°C
Soldering Temperature	Tsld	Manual: 300°C for 2sec.(max) 300°C for 2sec Reflow: Reference Reflow Profile.	

## Initial Electrical /Optical Characteristics

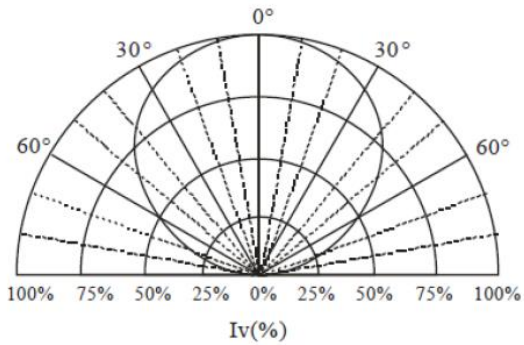
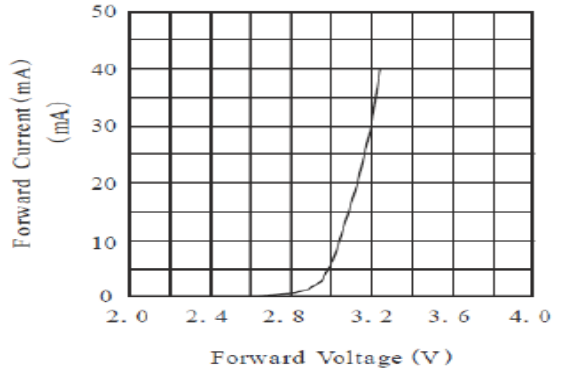
Item	Symbol	Condition	Min	Typ	Max	Unit
Forward Voltage	VF	IF=30mA	3.0		3.6	V
Luminous Flux	∅v		--	12	--	LM
Viewing Angle	20½		--	120	--	Deg
Reverse Current	IR	VR=5V	--		10	µA

## Curves

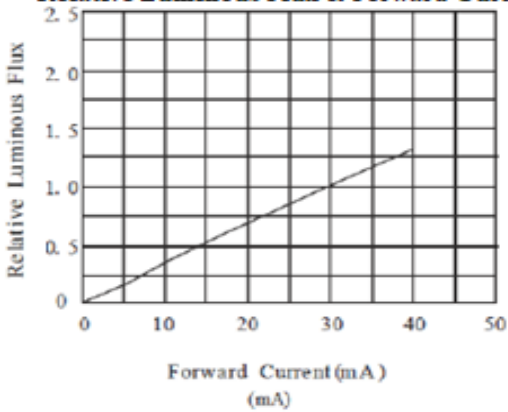
**Spectrum (Ta=25°C IF=30mA)**



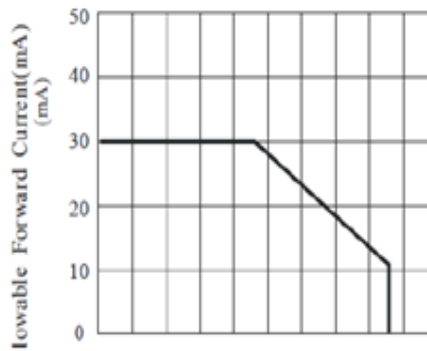
**Forward Current & Forward Voltage (Ta=25°C)**



**Relative Luminous Flux & Forward Current**



**Allowable Forward Current & Ambient Temperature**



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