



YETDA INDUSTRY LTD.

Technical Data Sheet

MODEL NO : S150ANW4-H

1206Package 3.2*1.6mm Chip LEDs

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 Diffused

Electrical/Optical Characteristics(Ta=25°C)

Parameter	Symbol	Condition	Min	Typ.	Max	Unit
Luminous Intensity	I _v	IF=20mA	780		1600	mcd
Dominant Wavelength	λ _D	IF=20mA		X:0.31 Y:0.32		nm
Peak Emission Wavelength	λ _p	IF=20mA				nm
Viewing Angle	2θ _{1/2}	IF=20mA		120		Deg
Forward Voltage	V _F	IF=20mA	2.8		3.4	V
Reverse Current	I _R	VR=5V			10	μA

Absolute Maximum Ratings(Ta=25°C)

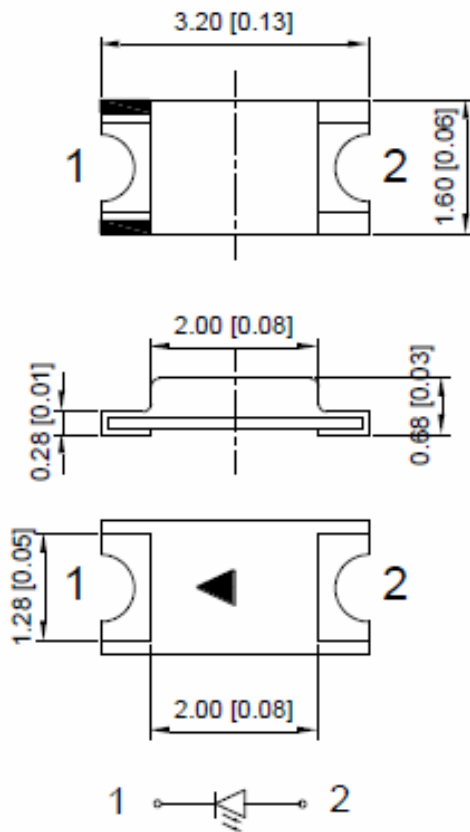
Parameter	Symbol	Maximum	Unit
Power Dissipation	P _d	105	mW
Peak Forward Current(1/10 Duty Cycle 0.1ms Pulse Width)	IF(Peak)	100	mA
Continuous Forward Current	IF	30	mA
Reverse Voltage	VR	5	V
Derating Linear From 25°C		0.3	mA/°C
Operating Temperature Range	Topr	-40 to +85	°C
Storage Temperature Range	Tstg	-40 to +100	°C

2012/Apr/13W

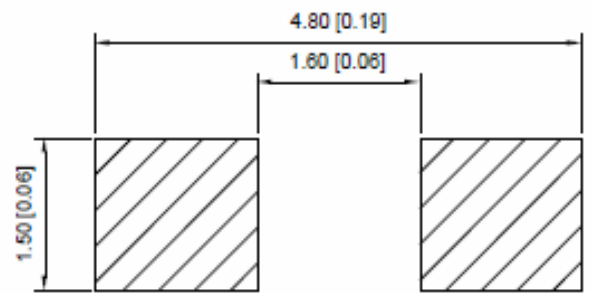


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Package Dimensions



Recommended Soldering



Notes:

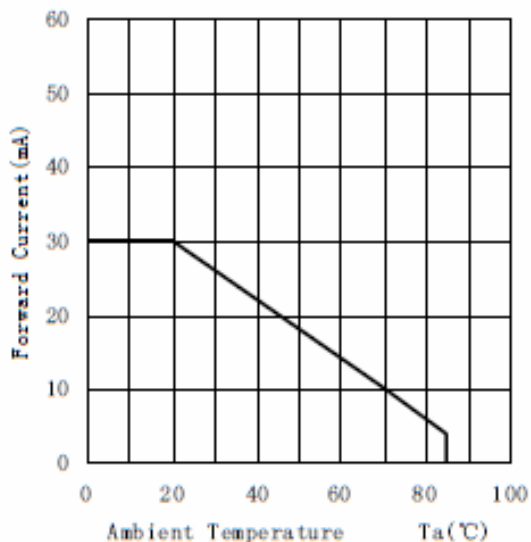
1. All dimension units are millimeters.
2. All dimension tolerance is $\pm 0.15\text{mm}$ unless otherwise noted.



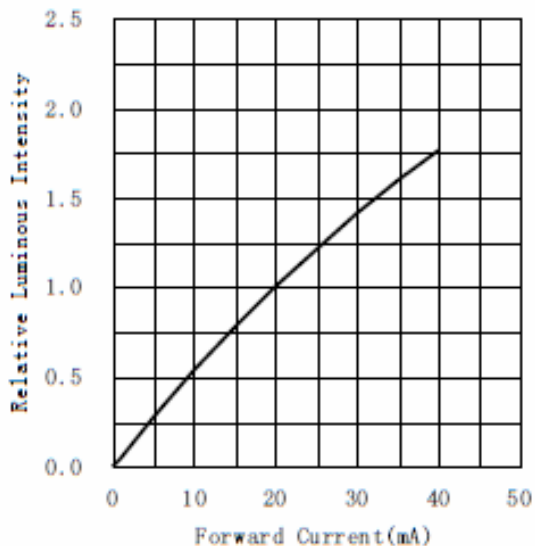
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Typical optical characteristics curves

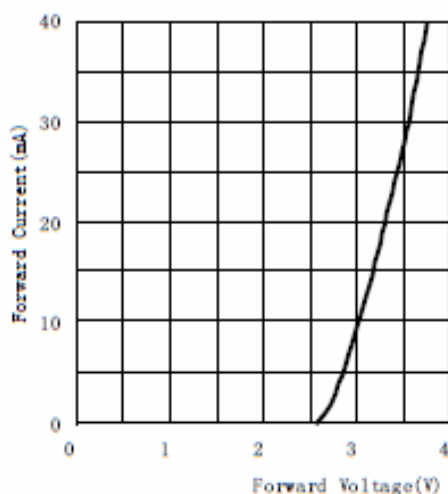
Ambient Temperature VS. Forward Current



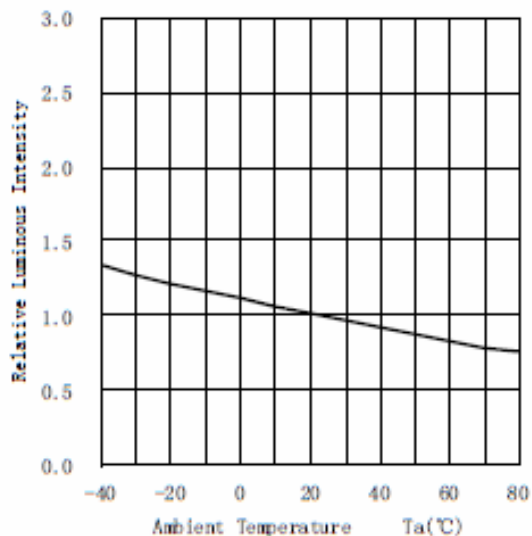
Forward Current VS. Relative Intensity



Forward Voltage VS. Forward Current



Ambient Temperature VS. Relative Intensity



Relative spectral emission

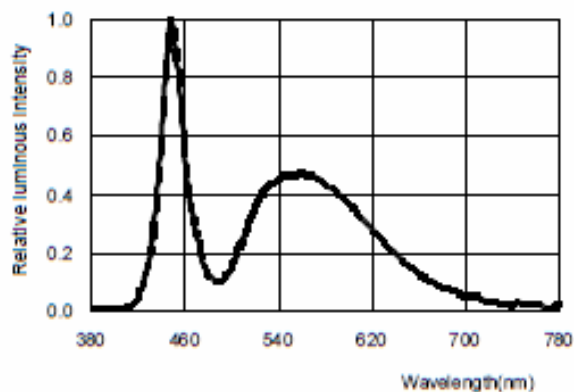


Diagram characteristics of radiation

