



# YETDA INDUSTRY LTD.

## Technical Data Sheet

**MODEL NO : S192ANG4**

**Package 1.6\*0.8mm\*0.6mm 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/GaN	Green	Water Clear

Electrical/Optical Characteristics(Ta=25°C)

Parameter	Test Condition	Symbol	Value			Unit
			Min	Typ	Max	
Dominant wavelength	I <sub>F</sub> =20mA	λ <sub>D</sub>	518		528	nm
Forward voltage	I <sub>F</sub> =20mA	V <sub>F</sub>	2.8		3.6	V
Luminous intensity	I <sub>F</sub> =20mA	I <sub>v</sub>	320	560	800	mcd
Viewing angle at 50% I <sub>v</sub>	I <sub>F</sub> =10mA	2θ 1/2		120		Deg
Reverse current	V <sub>R</sub> =5V	I <sub>R</sub>			10	μA

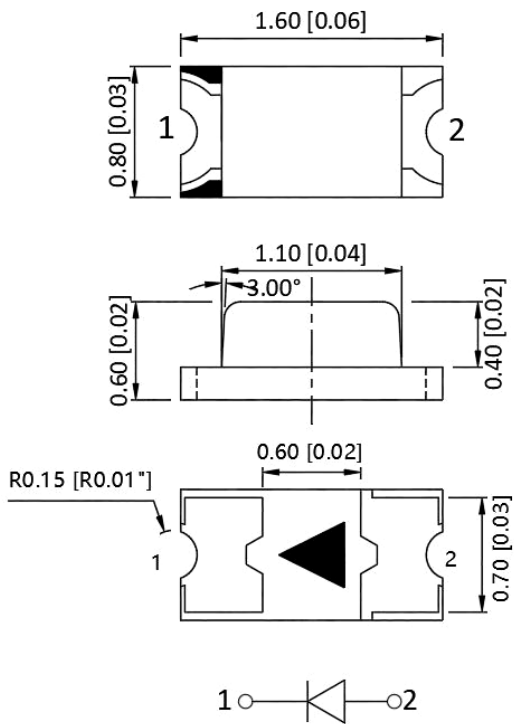
Absolute Maximum Ratings(Ta=25°C)

Parameter	Symbol	Value	Unit
Power dissipation	P <sub>d</sub>	108	mW
Forward current	I <sub>F</sub>	30	mA
Reverse voltage	V <sub>R</sub>	5	V
Operating temperature range	T <sub>op</sub>	-40 ~+80	°C
Storage temperature range	T <sub>stg</sub>	-40 ~+85	°C
Peak pulsing current (1/8 duty f=1kHz)	I <sub>FP</sub>	125	mA

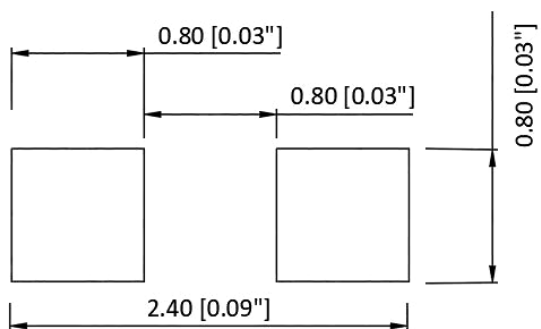


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### PACKAGING DIMENSIONS (mm):



### Recommend Pad Layout



### Notes:

1. All dimensions are in millimeters (inches);
2. Tolerances are  $\pm 0.1\text{mm}$  (0.004inch) unless otherwise noted.

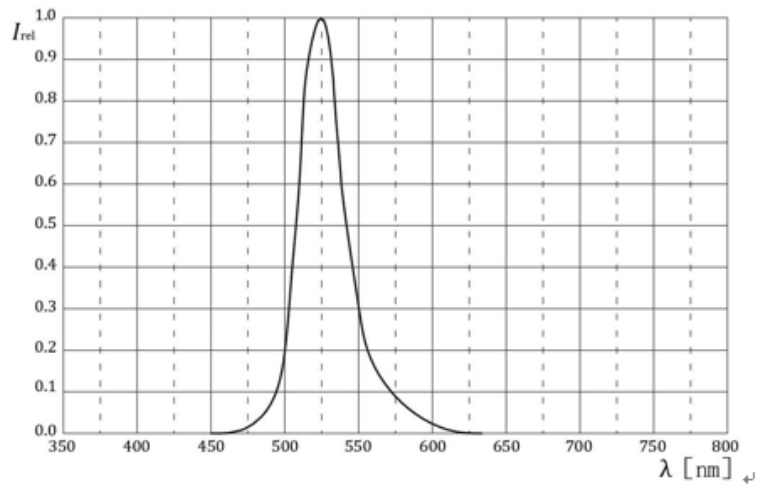


# YETDA INDUSTRY LTD.

## Typical Electrical/Optical Characteristics Curves

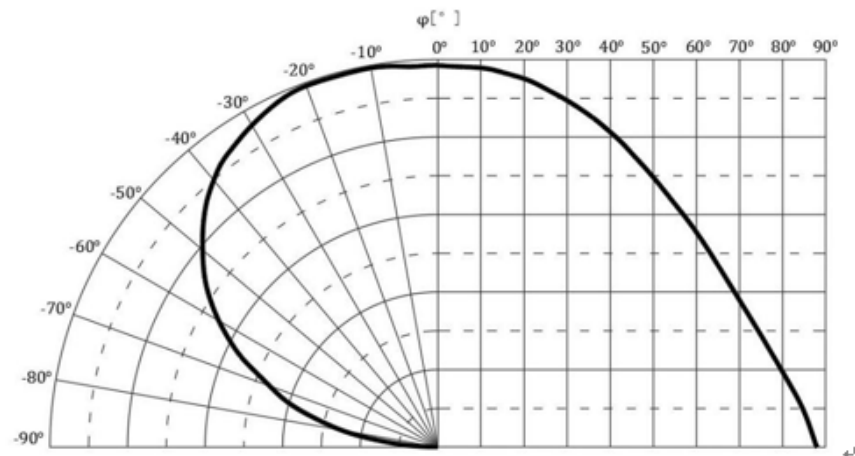
### Relative Spectral Emission

IF=20mA, Ta=25°C



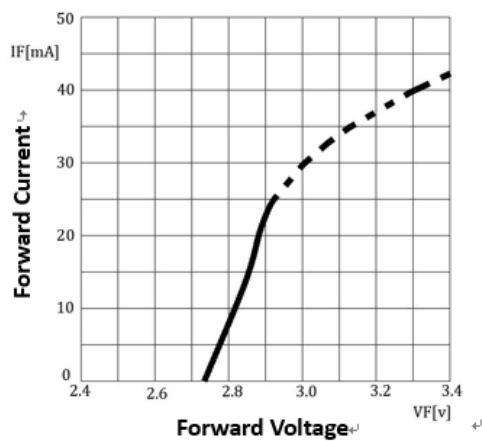
### Radiation Characteristics

IF=10mA, Ta=25°C



### Forward Current vs Forward Voltage

Ta=25°C



### Forward Current Derating Curve

