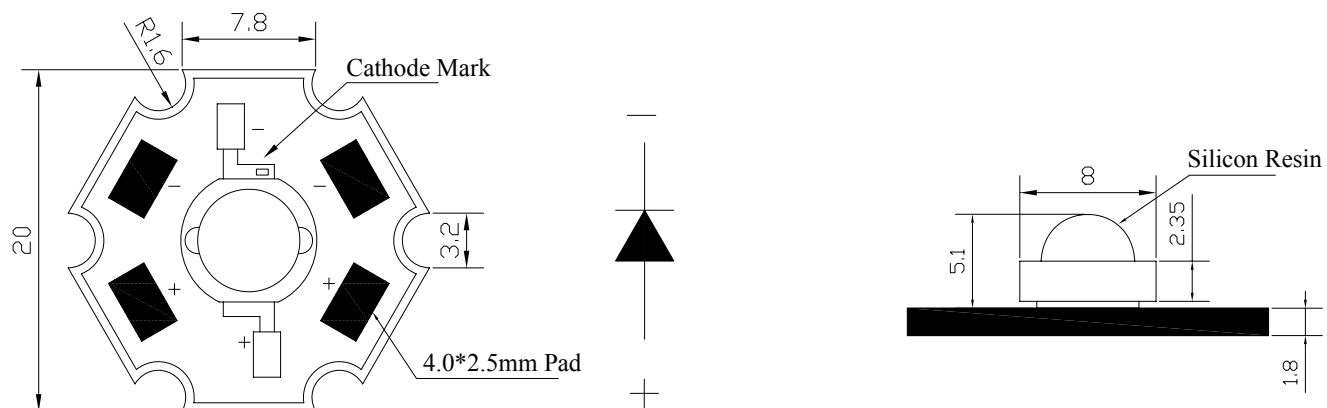


■Dimensions

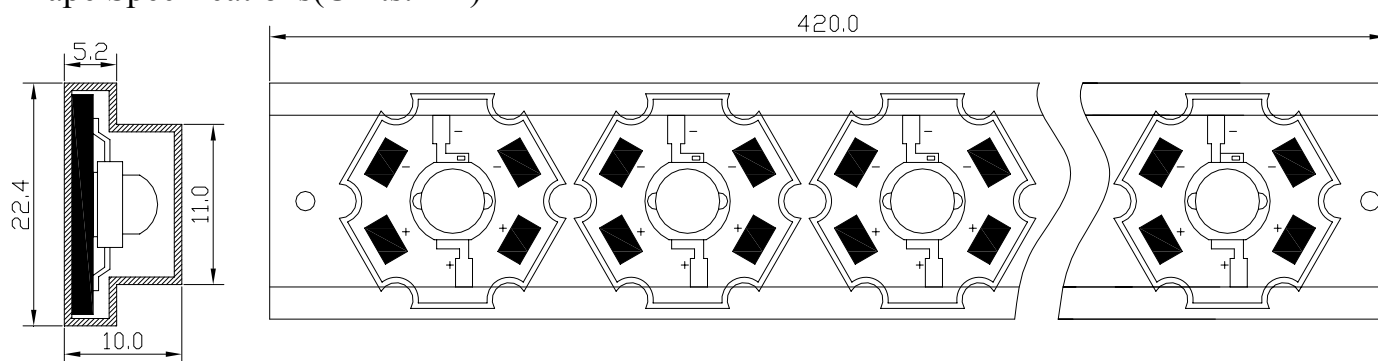


Notes:

All dimensions is mm

Tolerance is $\pm 0.1\text{mm}$ unless otherwise noted.

■Tape Specifications(Units:mm)



15PCS in one tube

■ Descriptions

PART NO	Chip		Lens Color
	Material	Emitted Color	
BJ-HP1008-3W-W120	InGaN/SiC	White	WATER CLEAR

■ Absolute Maximum Ratings (Ta = 25°C)

Items	Symbol	Absolute maximum Rating	Unit
Forward Current(DC)	I _F	500	mA
Peak Forward Current*	I _{FP}	1000	mA
Reverse Voltage	V _R	5	V
Operation Temperature	T _{opr}	-40 ~ +95	°C
Storage Temperature	T _{stg}	-40 ~ +100	°C
Lead Soldering Temperature	T _{sol}	Max.260°C for 5 sec Max.	

*Pulse width ≤ 0.1msec duty ≤ 1/10

■ Typical Electrical & Optical Characteristics (Ta = 25°C)

Items	Symbol	Condition	Min.	Typ.	Max.	Unit
Power Dissipation	PD	IF = 750mA	---	3	---	W
Forward Voltage	VF	IF = 750mA	3.3	---	4.5	V
Reverse Current	IR	VR = 5V	---	---	50	μA
Chromatic Coordinates	(X,Y)	IF = 750mA	---	(0.30,0.29)	---	---
Luminous Flux	Φ	IF = 750mA	---	150	---	lm
50% Power Angle	2 θ ½	IF = 750mA	---	120	---	Deg

■ Typical Electrical/Optical Characteristics Curves (Ta=25° Unless Otherwise Noted)

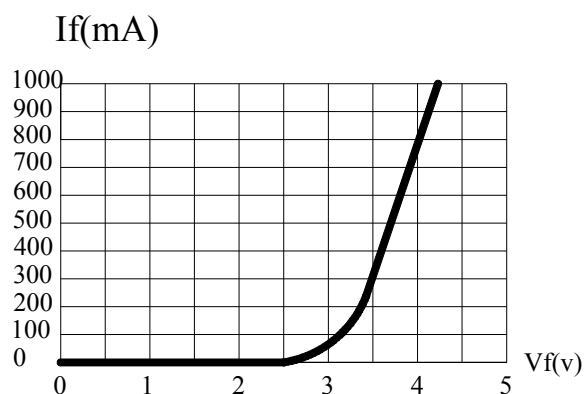


Fig. 1 Forward Current vs Forward Voltage

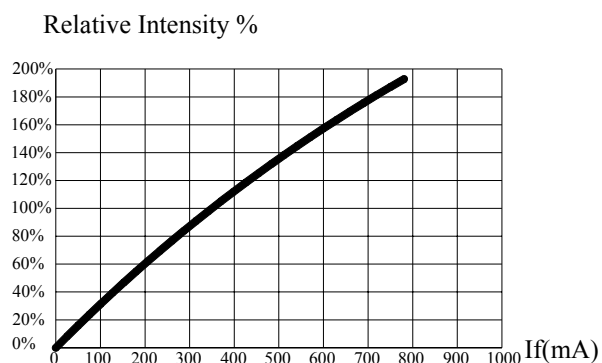


Fig. 2 Relative Luminous Flux vs Forward Current

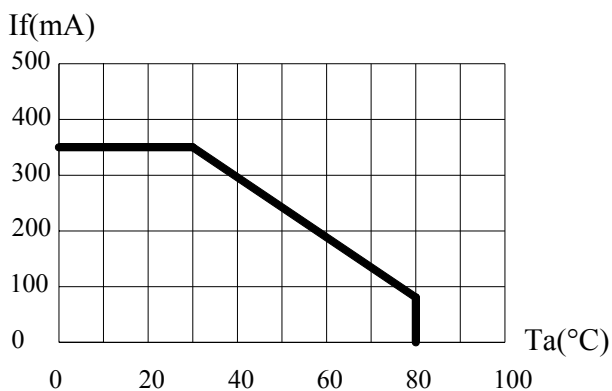


Fig. 3 Maximum Forward Current vs Ambient Temperature

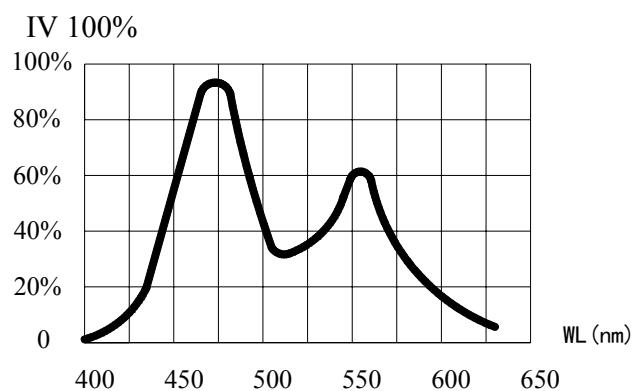


Fig. 4 Relative Luminous Flux vs Wavelength

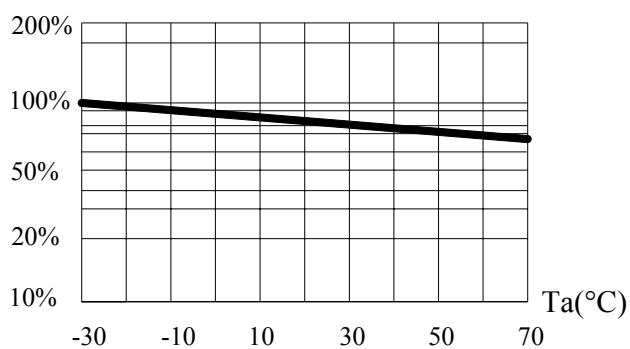


Fig. 5 Relative Luminous Flux vs Ambient Temperature

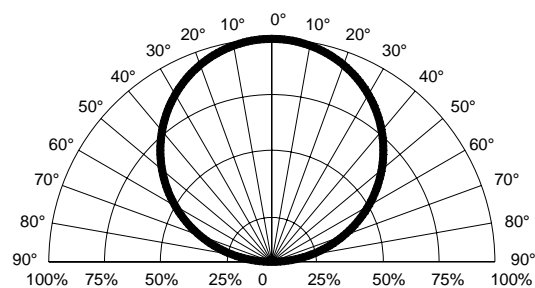


Fig. 6 Relative Luminous Flux vs Radiation Angle

Handling of silicone resin LEDs

Storage

To avoid the moisture penetration ,we recommend storing Power LEDs in a dry box(or desiccators) With a desiccant. The recommended storage conditions are Temperature 5 to 30 degrees Centigrade. Humidity 50% maximum

Precaution after opening packaging

However LED is correspond SMD, when LED be soldered dip, interfacial separation may affect the light transmission efficiency, causing the light intensity to drop.

Attention in followed.

- a. Soldering should be done right after opening the package(within 24Hrs)
- b. Keeping of a fraction
 - sealing
 - Temperature:5-40 degree Humidity: less than 30%
- c. If the package has been opened more than 1 week or the color of desiccant changes, components should be dried for 10-12hours at $60 \pm 5^{\circ}\text{C}$

Avoid touching silicone resin parts especially by sharp tools such as Tweezers

Avoid leaving fingerprints on silicone resin parts

Please store the LEDs away from dusty areas or seal the product against dust

When populating boards in SMT production, there are basically no restrictions the surface of the resin must be prevented Please do not mold over the silicone lens with another resin(epoxy ,urethane etc)