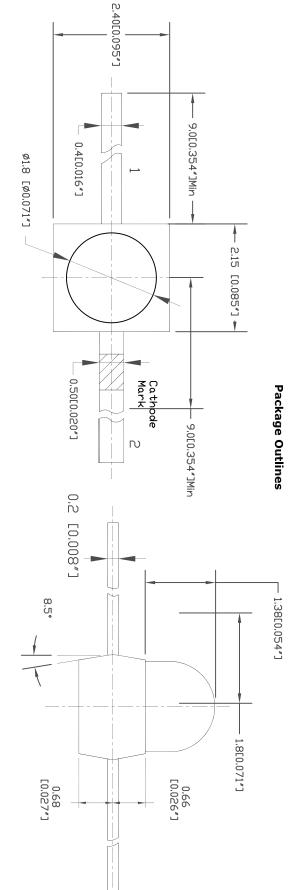


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Emitted color	Dice	Lens color	Bonding Wire	Resin (mold)	ITEM	
Blue	InGaN/SiC	Water Clear	ø 25 µm Au	Epoxy	MATERIALS	

#### NOTES

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- All dimensions are in millimeters (inches);
   Tolerances are ±0.1mm (0.004inch) unless otherwise noted.

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(TA=25°C)

	body		
(5mm[0.20"] from	260°C For 5 SEC (5mm[0.20″] from	Tsol	Lead Soldering Temperature
34	125	Ifp	Peak pulsing current (1/8 duty f=1kHz)
ċ	-20~+80	Tstg	Storage temperature range
ċ	-20~+80	Тор	Operating temperature range
<	5	٧r	Reverse voltage
зA	30	If	Forward current
۳W	120	Pd	Power dissipation
Unit	Value	Symbol	Parameter

# **Electro-optical Characteristics**

(TA=25°C)

Αu	10			Ir	Vr=5V	Reverse current
deg		20		2/102	If=10mA	Viewing angle at 50% Iv
mcd	1	80	!	Ιν	*1 If=20mA	Luminous intensity *1
<	4.0	3.5	}	٧f	If=20mA	Forward voltage
n <sub>m</sub>	+	468		λdom	If=20mA	Dominant wavelength
חש		40		Δλ	If=20mA	Spectral half bandwidth
חת	475	470		λpeαk	If=20mA	Wavelength at peak emission
Unit	Max	Тур	Min	Эушрог	Condition	Parameter
		Value		Symbol Babasas	Test	

# 1 Note: Luminous intensity tolerances are ±10%

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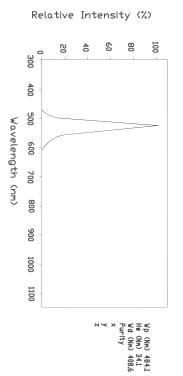
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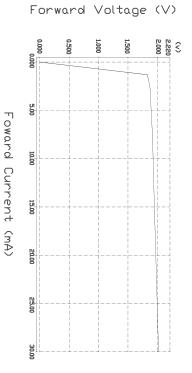
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## **OPTICAL CHARACTERISTIC CURVES**

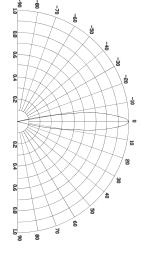
### Relative Intensity vs. Wavelength



# Forward Current vs. Forward Voltage



#### **Directive Characteristics**



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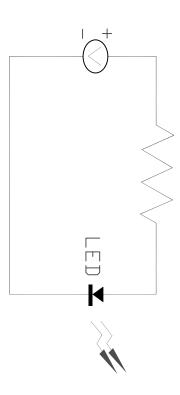
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DCP No: 1398

Test Circuit



### Handling Precautions

### Over-current-proof

Customer must apply resistor for protection; otherwise slight voltage shift will cause big current change (Burn out will happen).

#### Storage

2.1 It is recommended to store the products in the following conditions: Humidity: 60% R.H. Max.

Temperature: 5°C~30°C (41°F~86°F)

S S Shelf life in sealed bag: 12 month at  $<5\,^\circ\!\!\text{C}\sim30\,^\circ\!\!\text{C}$  and <30% R.H. after the package — is Opened, the products should be used within a week or they should be keeping to stored at  $\leq\!20$  R.H. with zip-lock sealed.

#### Baking

It is recommended to baking before soldering when the pack is unsealed after 72hrs. The Conditions are as followings:

3.1  $60\pm3$  °C x(12~24hrs) and <5%RH, taped reel type 3.2  $100\pm3$  °C x(45min~1hr), bulk type 3.3  $130\pm3$  °C x(15~30min), bulk type

When you discover that the desiccant in the package has a pink color (normal=blue), you Should treat them in the same conditions as  $(3.1 \, {}^{\sim} 3.3)$ 

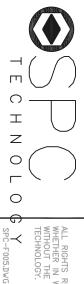


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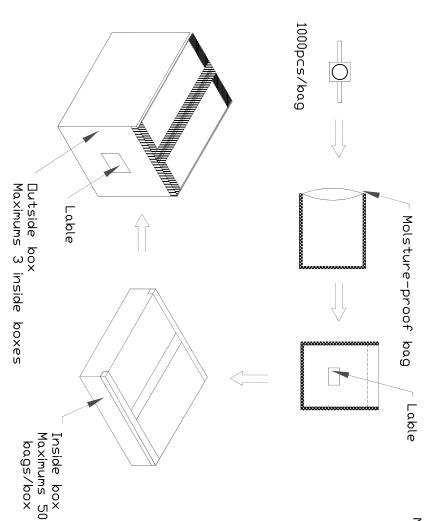
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### Packaging Specifications



#### NOTES:

Products (numbers of products are 1,000pcs) packed in a seal off moisture-proof bag along with a desiccant one by one, 50 moisture-proof bag of maximums (total maximum number of products are 50,000pcs) packed in an inside box (size: about 350mm x about 300mm x about 105mm) and three inside boxes of maximums are put in the outside box (size: about 360mm x about 320mm x about 330mm)

Together with buffer material, and it is packed. (Part No., Lot No., quantity should appear on the label on the moisture-proof bag, part No. And quantity should appear on the label on the cardboard box.) The number of the loading steps of outside box (cardboard box) has it to three steps.

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