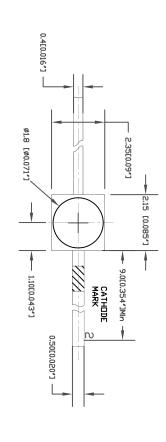


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Package Outlines



Green	Emitted color
InGaN/SIC	Dice
Water Clear	Lens color
Ø 25 µm Au	Bonding Wire
Epoxy	Resin (mold)
MATERIALS	ITEM

NOTES

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

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Absolute Maximum Ratings

 $(TA=25^{\circ}C)$

	S	UI	:
	•	3	3
	- -	-50-+00	r
Storage temperature range	Tstg	-20~+80	ů
Peak pulsing current (1/8 duty f=1kHz)	Ifp	125	3.4
Lead Soldering Temperature	Tsol	260°C For 5 SEC (5mm[0.20″] from	(5mm[0.20"] from
		body)	``

Electro-optical Characteristics

(TA=25°C)

	Test	Symbol		Value		
Parameter	Condition	Зупрог	Min	Тур	Max	Unit
Wavelength at peak emission	If=20mA	λpeak	500	510	515	חת
Spectral half bandwidth	If=20mA	Δλ	-	20	1	nm
Dominant wavelength	If=20mA	λdom	-	505	+	nm
Forward voltage	If=20mA	Vf		3.2	3.8	<
Luminous intensity *1	*1 If=20mA	Iv		300	-	mcd
Viewing angle at 50% Iv	If=10mA	201/2		20	}	Deg
Reverse current	Vr=5V	5			10	μĀ

* 1 Note: Luminous intensity tolerances are ±10%

TOLERANCES:



DISCLAMER:

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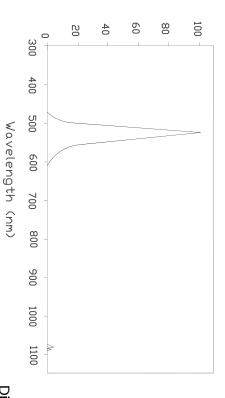


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OPTICAL CHARACTERISTIC CURVES

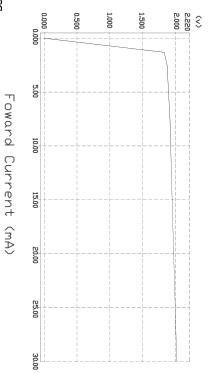
Relative Intensity vs. Wavelength



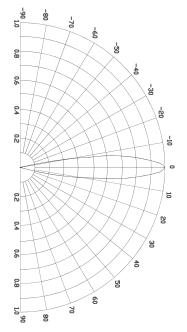
Relative Intensity (%)

Directive Characteristics

Forward Current vs. Forward Voltage



Forward Voltage (V)

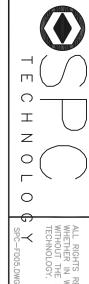




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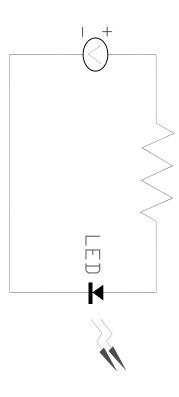
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8/02 * DCP No: 1398

■ 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)

2.2 Shelf life in sealed bag: 12 month at <5°C~30°C and <30% R.H. after the package is □pened, the products should be used within a week or they should be keeping to stored at ≦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 ± 3 °C x(12-24hrs) and <5%RH, taped reel type 3.2 100 ± 3 °C x(45min-1hr), bulk type 3.3 130 ± 3 °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 - 3.3)



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Packaging Specifications

NOTES

-Moisture-proof bag

Lable Maximums 50 bags/box Inside box outside box (cardboard box) has it to three steps label on the cardboard box.) The number of the loading steps of moisture-proof bag, part No. And quantity should appear on the about 330mm) Together with buffer material, and it is packed are put in the outside box (size: about 360mm \times about 320mm \times ${\sf x}$ about 300mm ${\sf x}$ about 105mm) and three inside boxes of maximums products are 50,000pcs) packed in an inside box (size: about 350mm moisture-proof bag of maximums (total maximum number of off moisture-proof bag along with a desiccant one by one, 50 Products (numbers of products are 1,000pcs) packed in a seal (Part No., Lot No., quantity should appear on the label on the

1000pcs/bag

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Outside box

Maximums 3 inside boxes

Lable

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