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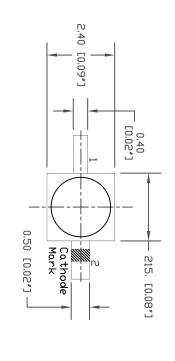
DOC, NO. SPC-F005 \* Effective: 7/8/02 \*

DCP No: 1398 DATE

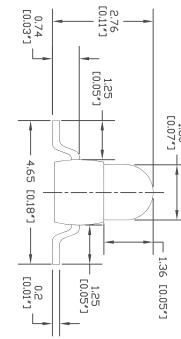
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### Package Outlines

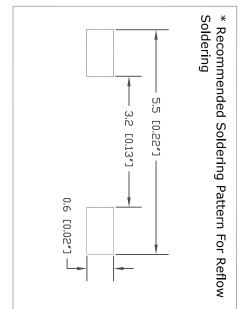


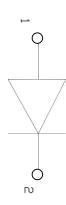




#### NOTES:

All dimensions are in millimeters (inches);
 Tolerances are 0.1mm (0.04inch) unless otherwise noted.





Emitted color	Dice	Lens color	Bonding Wire	Resin (mold)	ITEM
Green	InGaN/SIC	Water Clear	ø25µmAu	Epoxy	MATERIALS



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Compliant	ROHS

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	ED	Multi Color LE		22-09-08	XXXX	UNLESS OTHERWISE
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# **Absolute Maximum Ratings**

(TA=25°C)

Parameter	Symbol	Value	Unit
Power dissipation	Pd	120	m₩
Forward current	If	30	mΑ
Reverse voltage	٧r	5	<b>\</b>
Operating temperature range	Тор	-20~+80	<b>0</b> *
Storage temperature range	Tstg	-20~+80	<b>°</b> C
Peak pulsing current (1/8 duty f=1kHz)	Ifp	125	mA
Lead Soldering Temperature	Tsol	260°C For 5 SEC (5mm[0.20°] from	(5mm[0.20"] from
		body)	ò

# **Electro-optical Characteristics**

(TA=25°C)

Test Condition Symbol Min Typ Max  If=20mA
Min Typ 515 525 34 525 3.5 320 20
Typ 525 525 34 34 525 320 20
Max 535 10
Onit  Onit  Onit  Onit

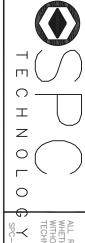
\* 1 Note: Luminous intensity tolerances are ±10%

RoHS Compliant

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			_	DWG, ND,		DRAWING TITLE:
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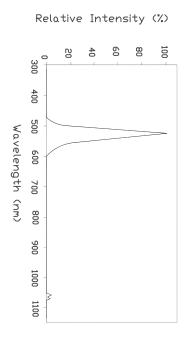
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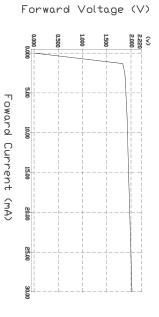
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# **OPTICAL CHARACTERISTIC CURVES**

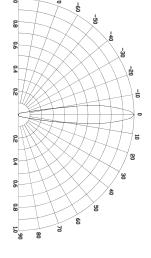
## Relative Intensity vs. Wavelength



# Forward Current vs. Forward Voltage



### **Directive Characteristics**





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		Colo	
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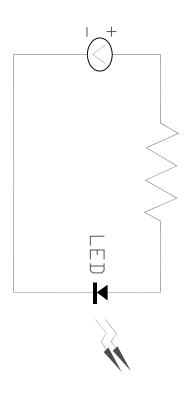
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### ■ Test Circuit



## Handling Precautions

## 1. 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℃-30℃ 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.</p>

### 3. 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  $\times(12-24hrs)$  and (5%RH), taped reel type 3.2  $100\pm3$  °C  $\times(45min-1hr)$ , bulk type 3.3  $130\pm3$  °C  $\times(15-30min)$ , 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  $(3.1 \hbox{-} 3.3)$ 



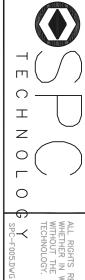
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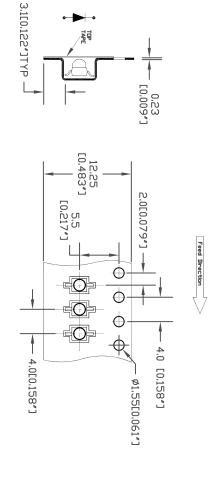
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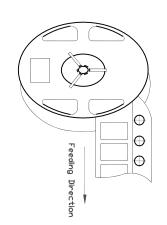
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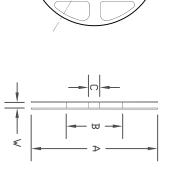
### **Packing Specifications**

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Dimensions per ANSI/EIA Standard RS-481 All dimensions are in Millimeters (inches).

#### NOTES

- Empty component pockets are sealed with top cover tabe; Minhum leader length at both ends of the tabe is 450mm; The maximum number of hissing lamps is two; approachet hole the Cathode is oriented towards the tabp sproachet hole in accordance with ANSI/EIA R7-481 specifications.

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Thickness of top cover tape 0.1[0.004"] MAX

12.5[0.50] 13.5[0.53]

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60[2,36]

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