

东莞市源晶光电科技有限公司

SOURCECHIP OPTO-ELECTRICAL TECH CO.,LTD



承认书

SPECIFICATION FOR APPROVAL

客户

Customer:

品名

Product Name:

1W 大功率

样品单号

Sample orders numbers:

型号

Model Name:

SCPE-800YWC-T140

日期

DATA

承 认 栏

APPROVAL SIGNATURE

厂商 VENDOR		
MADE	CHECKED	APPROVED

客户 COSTOMER		
MADE	CHECKED	APPROVED

SUPPLIER:东莞市源晶光电科技有限公司

ADD:东莞市长安镇乌沙社区民企工业园

[HTTP://www.sourcechip.com](http://www.sourcechip.com)

TEL:0769-81608082

FAX:0769-81608083



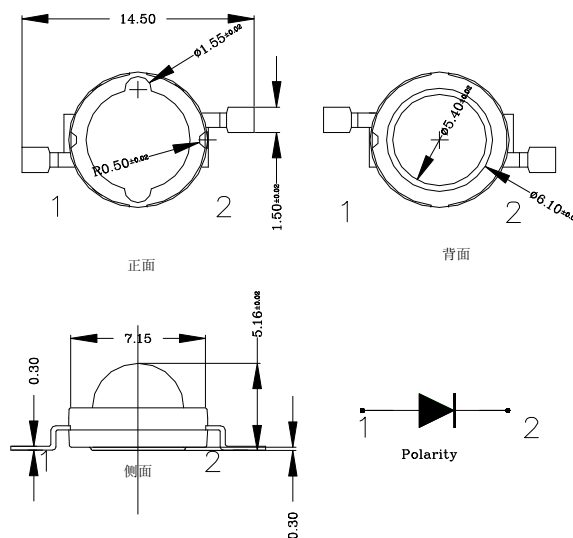
● | **Features Parameters:**

1. Input power: 1W.
2. Chip material: InGaN / Sapphire,Face up chip..
3. Emitted color: White.
4. High lumen output.
5. High flux density.
6. Low power consumption.
7. Efficient heat transfer.
8. Add extra heat sink is necessary.
*Must increasing heatsink,let the unit temperature below 60°C.

● || **Applications:**

1. Desk light.
2. Architectural lighting.
3. LCD Backlight.
4. Special Area lighting

● III **Package dimensions :**



Notes:

1. All dimensions are in millimeters (inches). 所有单位是毫米 (英寸)
2. This data-sheet only valid for six months.本数据有效期为六个月



● **IV Absolute Maximum Ratings at TA=25°C**

Parameter(参数)	Maximum Rating (最大规定值)	Unit (单位)
Power Dissipation (消耗功率)	2000	mW
Peak Forward Current (脉冲电流) (1/10 Duty Cycle, 0.1ms Pulse width)	400	mA
Continuous Forward Current (峰值电流)	500	mA
Derating Linear From 50°C (电流比例关系)	0.4	mA/°C
Reverse Voltage (反向电压)	5	V
Operation Temperature Range (工作温度)	-40°C to +70°C	
Storage Temperature Range (储存温度)	-40°C to +80°C	
Lead Soldering Temperature [4mm (.157") From Body] (焊接温度)	260°C for 5 Seconds (260 度下不超过 5 秒)	

● **V Electrical / Optical Characteristics at TA=25°C**

Parameter (参数)	Symbol 标志	Min. 最小 值	Typ. 中间 值	Max. 最大 值	Unit 单位	Test Condition 试验条件
Luminous Flux (光通量)	Φ	90	---	100	Lm	IF=350mA
Viewing Angle (发光角度)	2θ 1/2	---	140	---	deg	
Chromaticity Coordinate (R) (色温)	CCT	6000	---	6500	K	IF=350mA
Forward Voltage (正向电 压)	VF	3.0	---	3.6	V	IF=350mA
Reverse Current (反向电 流)	IR	--	--	5	μA	VR=5V

Note :

1. Luminous intensity is measured with a light sensor and filter combination that approximates the CIE (Commission International De L'Eclairage) eye-response curve.
2. 1/2 is the off-axis angle at which the luminous intensity is half the axial luminous and intensity.
3. The dominant wavelength, λ_d is derived from the CIE chromaticity diagram and represents the single wavelength which defines the color of the device.
4. The IV guarantee should be added ±15%.



● VI Typical electro-optical characteristics curves

Fig.1 RELATIVE INTENSITY VS. WAVELENGTH

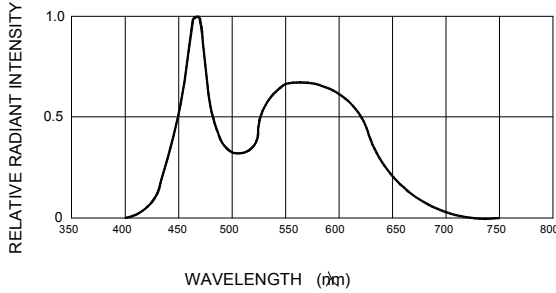


Fig.2 FORWARD CURRENT VS. AMBIENT TEMPERATURE

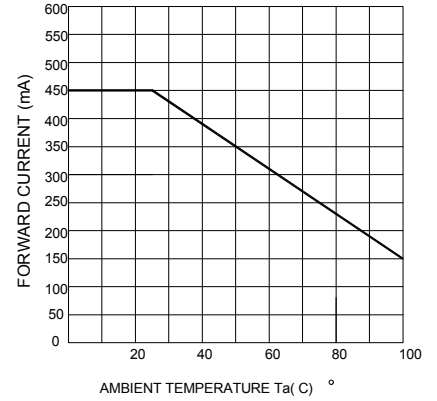


Fig.4 RELATIVE LUMINOUS INTENSITY VS. AMBIENT TEMPERATURE

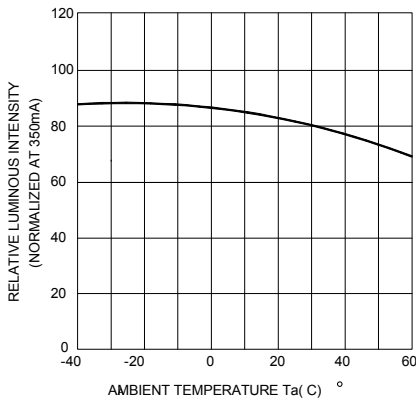


Fig.5 RELATIVE LUMINOUS INTENSITY VS. FORWARD CURRENT

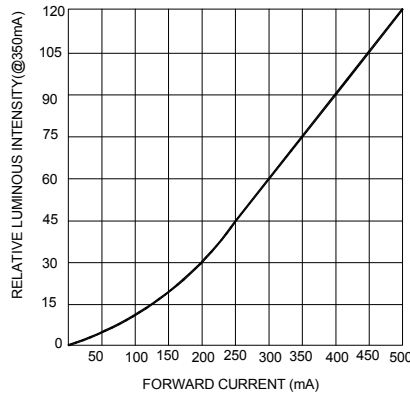


Fig.3 FORWARD CURRENT VS. FORWARD VOLTAGE

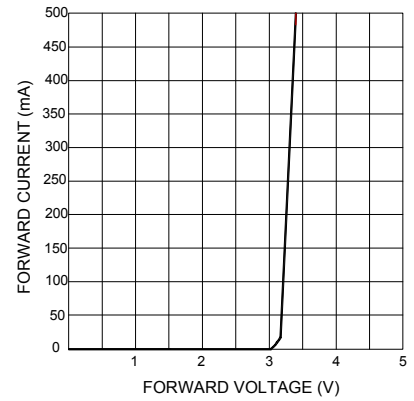


Fig.7 FORWARD CURRENT VS. CHROMATICITY COORDINATE

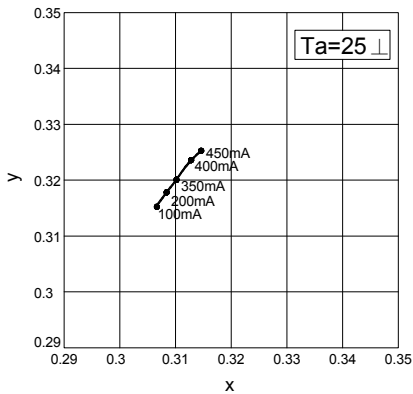


Fig.8 AMBIENT TEMPERATURE VS. CHROMATICITY COORDINATE

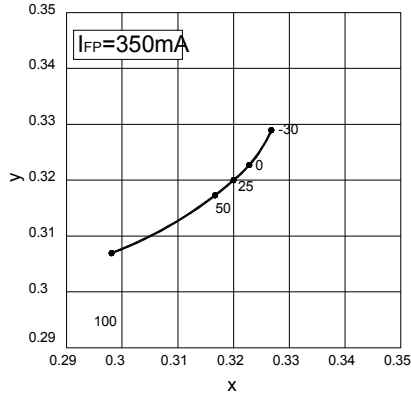


Fig.6 RADIATION DIAGRAM

