

产 品 规 格 书

产品名称: 直插式发光二极管

产品型号: CX-5ARG9HW08-B

深圳市创亿电子有限公司

SHEET APPROVAL

Customer:

客户

Product Line: LED LAMP

产品类型

Part NO: CX-5ARG9HW08-B

机种型号

Issued Date: 2020-05-25

日期

APPROVER	CHECKER	ENGINEER	APPROVED
	王 翔 龙	梁 寒 花	

此承认书一式1份, 请签回一份给我司.

1.SPECIFICATIONS

(1).Absolute Maximum Rating

(Ta=25°C)

Item	Symbol	Absolute Maximum Rating	Unit
Forward Current	IF	20	mA
Peak Forward Current	IFP	160	mA
Reverse Voltage	VR	5	V

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Power Dissipation	PD	80	mw
Electrostatic Discharge	ESD	1000	V
Operating Temperature	TOP	-40~80℃	℃
Storage Temperature	TSTG	-40~100℃	℃
Lead Soldering Temperature	TSOL	260℃ FOR 5 SECONDS	

IFP Conditions: pulse Width ≤ 10msec and duty ≤ 1/10

(2).Initial Electrical/Optical Characteristics

(Ta=25℃)

Item	Symbol	Condition	Min	Typ	Max	Unit
Forward Voltage	VF	IF=20mA	1.8	2.1	2.4	V
Reverse Current	IR	VR=5V	/	/	15	uA
Viewing Angle	2θ1/2	IF=20mA	/	120		deg
Luminous Intensity	IV	IF=20mA	40		60	mcd
Peak Wavelength	λp	IF=20mA	630	635	640	nm
Dominant Wavelength	λp	IF=20mA	625	630	635	nm
Recommend Forward Current	IF(Rec)	/	/	20	/	mA

2.TYPICAL INITIAL OPTICAL/ELECTRICAL CHARACTERISTICS

please refer to Figures: In page 5

3.OUTLINE DIMENSIONS AND MATERIALS

please refer to drawing: In page 4

Material as follows: Resin :Epoxy

Lead frame:Ag plating Copper alloy

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(Ta=25°C)

Item	Symbol	Condition	Min	Typ	Max	Unit
Forward Voltage	VF	IF=20mA	1.9	2.2	2.5	V
Reverse Current	IR	VR=5V	/	/	15	uA
Viewing Angle	2 θ 1/2	IF=20mA	/	120		deg
Luminous Intensity	IV	IF=20mA	10		0	mcd
Peak Wavelength	λ_p	IF=20mA	570	573	575	nm
Dominant Wavelength	λ_p	IF=20mA	568	571	573	nm
Recommend Forward Current	IF(Rec)	/	/	20	/	mA

2.TYPICAL INITIAL OPTICAL/ELECTRICAL CHARACTERISTICS

please refer to Figures: In page6

3.OUTLINE DIMENSIONS AND MATERIALS

please refer to drawing: In page4

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RED

Fig1.Forward Current vs.Forward Voltage

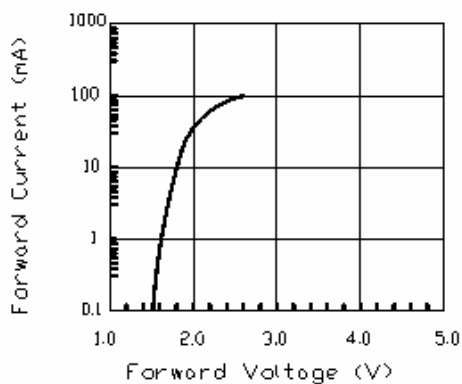


Fig2.Relative Intensity vs. Forward Current

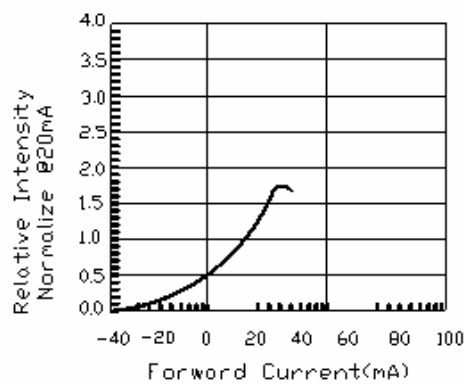


Fig3.Forward Voltage vs. Temperature

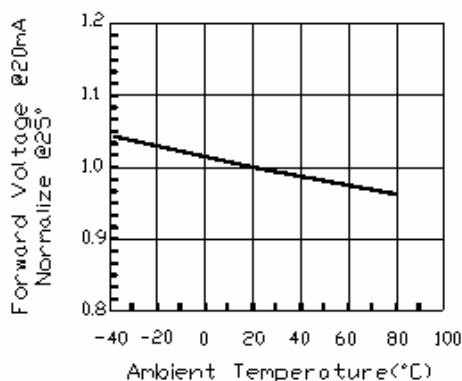


Fig4.Relative Intensity vs. Temperature

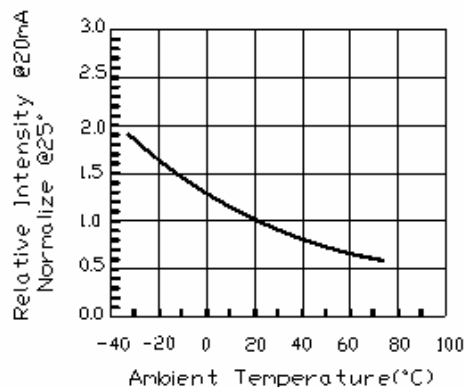
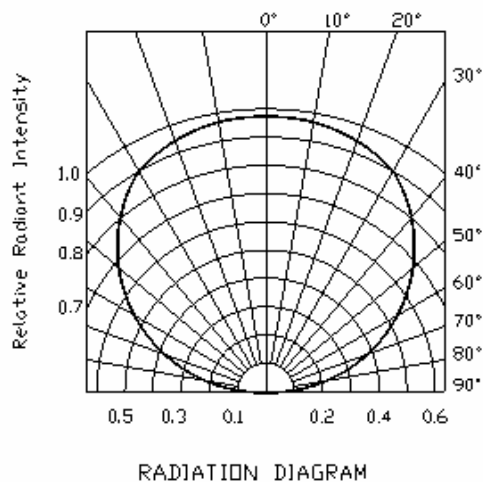
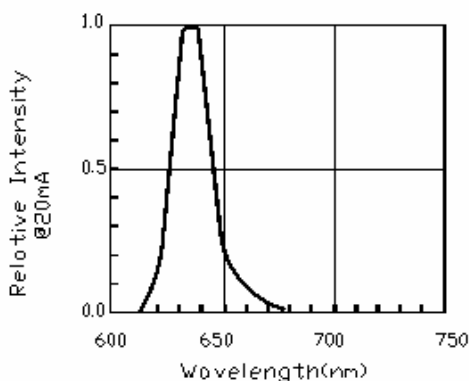


Fig5.Relative Intensity vs. Wavelength



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GREEN

Fig1.Forward Current vs.Forward Voltage

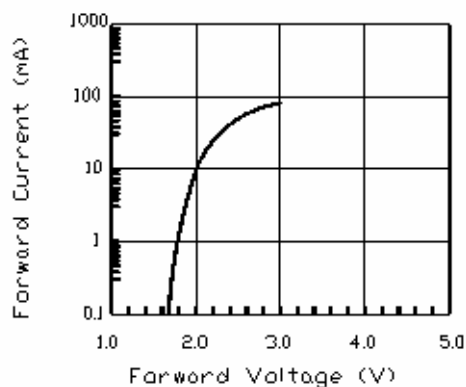


Fig2.Relative Intensity vs. Forward Current

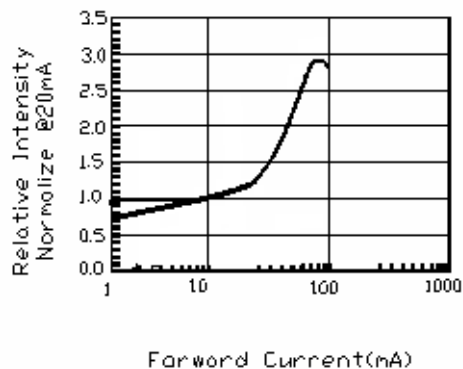


Fig3.Forward Voltage vs. Temperature

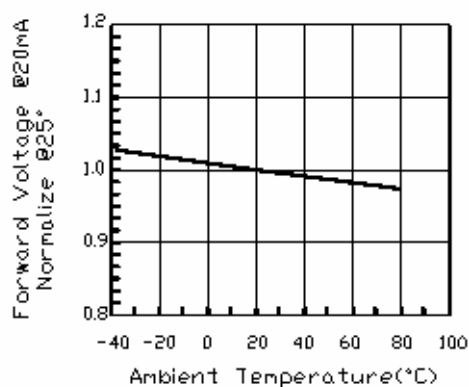


Fig4.Relative Intensity vs. Temperature

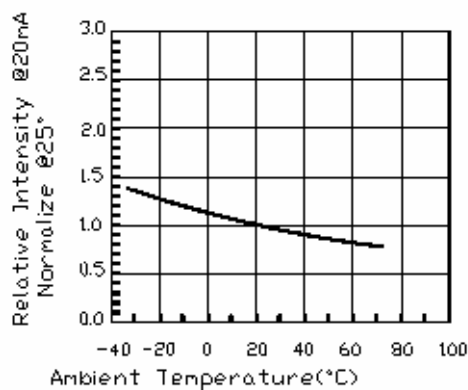


Fig5.Relative Intensity vs. Wavelength

