WEJ®
SHENZHEN YONGERJIA ELECTRONIC CO.,LTD

Light Emitting Diode

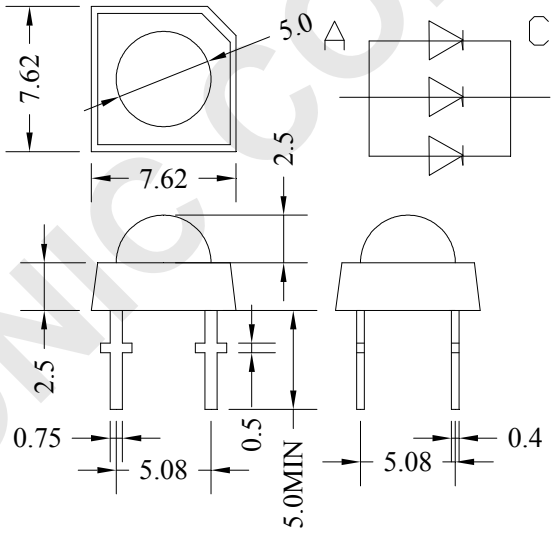
***PART NO.*:WEJS51BC-C76** **Page:1/4**

5.0mm HIGH POWER BLUE LED LAMP

Features

※ High intensity
※ Reliable and rugged
※ Low current requirement
※ IC compatible

Package Dimensions



Description

The Blue Lamps are made With InGaN/Sapphire chip and Water clear epoxy resin

Part NO.	LED chip		Lens Color
	Material	Emitting Color	
WEJS51BC-C76	InGaN/Sapphire	Blue	Water clear

Notes:

1. All dimensions in mm tolerance is ±0.2mm unless otherwise noted.
2. An epoxy meniscus may extend about 1.5mm down the lead.
3. Burr around bottom of epoxy may be 0.5mm max.

WEJ ELECTRONIC CO.,LTD

Absolute Maximum Ratings(Ta=25℃)

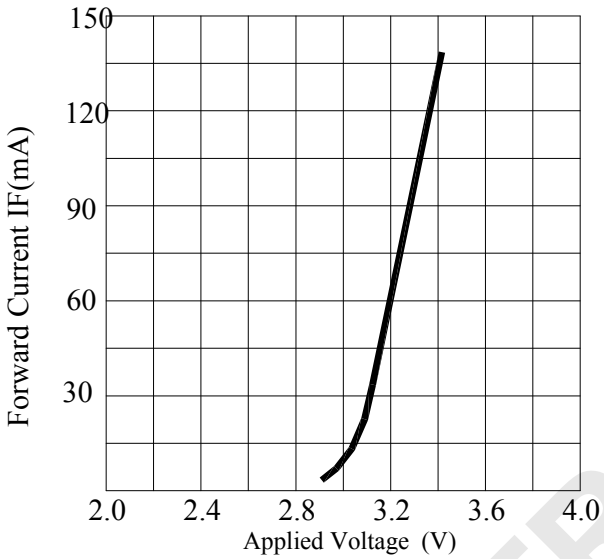
Parameter	Symbol	Rating	Unit
Power Dissipation	PD	120	mW
Forward Current (DC)	IF	30	mA
Peak Forward Current(Pulse width≤0.1msec duty≤1/10)	IFP	100	mA
Reverse Voltage	VR	5.0	V
Electro-Static-Discharge	ESD	200	V
Operation Temperature Range	Topr	-25to+85	℃
Storage Temperature Range	Tstg	-40to+100	℃
Lead Soldering Temperature(1.6mm from body) for 5 seconds		260	℃

Typical Electrical and Optical Characteristics(Ta=25℃)

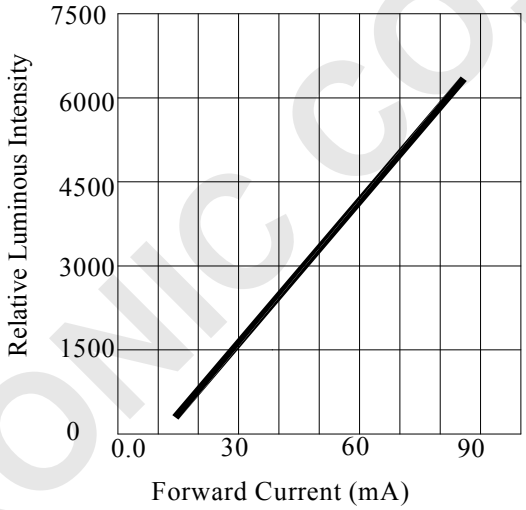
Parameter	Symbol	Condition	Min.	Typ.	Max.	Unit
Luminous Intensity	Iv	If=20mA	800	1600		mcd
Forward Voltage	Vf	If=20mA		3.2	3.8	v
Peak Wavelength	λ P	If=20mA		465		nm
Dominant Wavelength	λ D	If=20mA		468		nm
Reverse Current	Ir	Vr=5v			10	uA
Viewing Angle	2 θ 1/2	If=20mA		60		deg
Spectrum Line Half width	Δ λ	If=20mA		30		nm

WEJ ELECTRONIC CO.,LTD

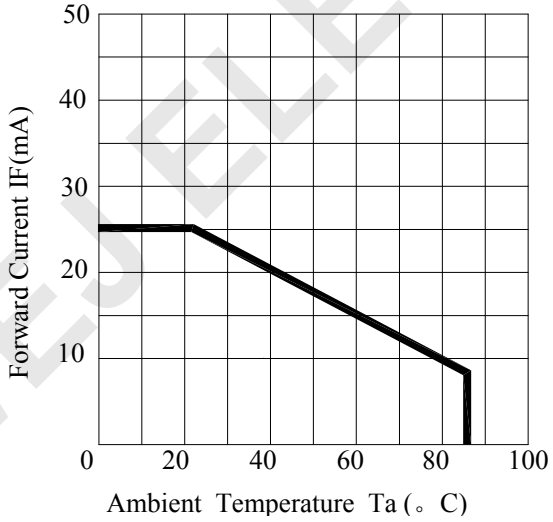
Typical Electrical / Optical Characteristics Curves



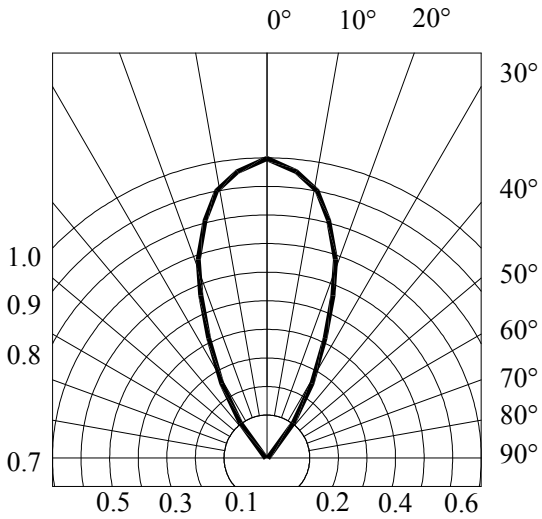
FORWARD CURRENT VS.APPLIED VOLTAGE



FORWARD CURRENT VS. LUMINOUS INTENSITY



AMBIENT TEMPERA TURE VS.FORWARD CURRENT

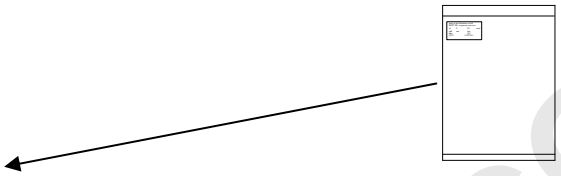


RADIATION DIAGRAM

WEJ ELECTRONIC CO.,LTD

ENCASED TYPE

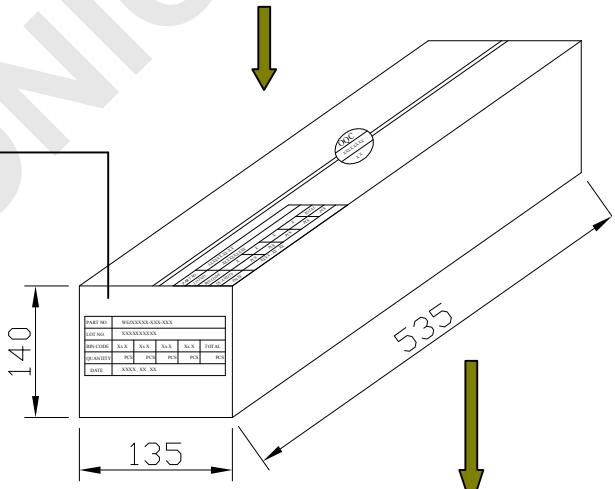
PLASTIC PACKAGE
QUANTITY : 200 PCS



YONG ER JIA ELECTRONIC CO.,LTD
PART NO. : WEJS51BC-C76
V f:_____v IV: _____mcd
Wld: ___nm BIN: _____
Date:_____ Q C: _____
Q'TY: ___PCS LOT NO:_____

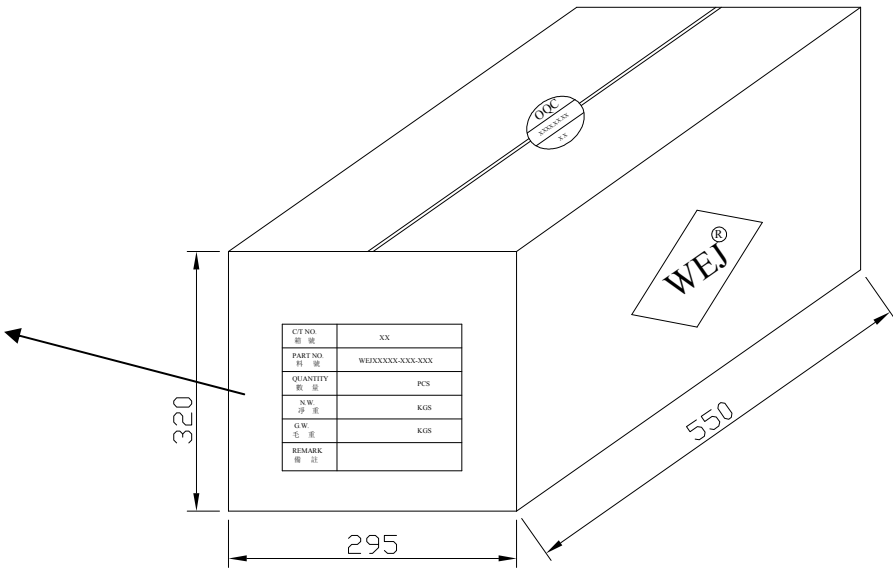
INNER BOX
QUANTITY: 10 PACKETS
TOTAL:2,000 PCS

PART NO.	WEJS51BC-C76					
LOT NO.	XXXXXXXXXXXX					
BIN CODE	XX	XX	XX	XX	XX	TOTAL
QUANTITY	xxpcs	xxpcs	xxpcs	xxpcs	xxpcs	xxpcs
DATE	XXXX XX XX					



OUTER CARTON
QUANTITY: 4 BOX
TOTAL:8,000 PCS

C/T NO.	XX
PART NO.	WEJS51BC-C76
QUANTITY	Xxxxx pcs
N.W.	XX KGS
G.W	XX KGS
REMARK	



WEJ ELECTRONIC CO.,LTD