BRIGHT LED ELECTRONICS CORP.

BL-B5141-AT

Features:

Chip material: GaP/GaP
Emitted color: Bright Red

3. Lens Appearance: Red Diffused

Low power consumption.

5. High efficiency.

6. Versatile mounting on P.C. Board or panel.

7. Low current requirement.

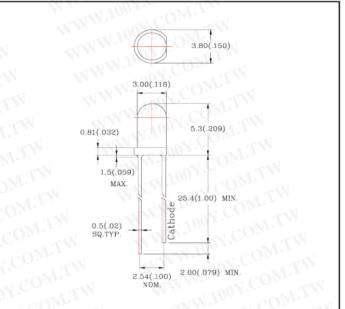
8. 3mm diameter package.

This product don't contained restriction substance, compliance ROHS standard.

Applications:

- 1. TV set
- 2. Monitor
- 3. Telephone
- 4. Computer
- 5. Circuit board

Package dimensions:



Notes:

- 1. All dimensions are in millimeters (inches).
- 2. Tolerance is ±0.25mm (0.01") unless otherwise specified.
- Lead spacing is measured where the leads emerge from the package.
- 4. Specifications are subject to change without notice.

勝 特 力 材 料 886-3-5753170 胜特力电子(上海) 86-21-34970699 胜特力电子(深圳) 86-755-83298787 Http://www.100y.com.tw

● Absolute maximum ratings(Ta=25°C)

Parameter V	Symbol	Rating	Unit
Power Dissipation	Pd Pd	40	mW
Forward Current	1100 F. IF ON TW	30	mA
Peak Forward Current*1	N.100 IFP OM.T	50 100 COM. T	mA
Reverse Voltage	V _R	5 _{W.100}	V
Operating Temperature	Topr	-40°℃~85°℃	
Storage Temperature	Tstg	-40℃~100℃	
Soldering Temperature	Tsol	260℃ max (for 5 seconds)	
Hand Soldering Temperature	Tsol	350°C max(for 3 seconds)	

^{*1}Condition for I_{EP} is pulse of 1/10 duty and 0.1msec width.

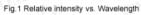
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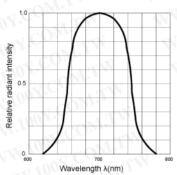
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Electrical and optical characteristics(Ta=25℃)

Parameter	Symbol	Condition	Min.	Typ.	Max.	Unit
Forward Voltage	V _F	I _F =20mA	MMM	2.3	2.6	V
Luminous Intensity	lv .	I _F =20mA	-11111	2.0	WILL	mcd
Reverse Current	I _R	V _R =5V	- WV	W. TOOY.	100	μA
Peak Wave Length	λp	I _F =20mA	- W	700	CONTIN	nm
Dominant Wave Length	λd	I _F =20mA	i - 4	650	CONTAIN	nm
Spectral Line Half-width	Δλ	I _F =20mA	W -	100	N.Com	N nm
Viewing Angle	2θ _{1/2}	I _F =20mA	- VI	35	ON.COM	deg

Typical electro-optical characteristics curves





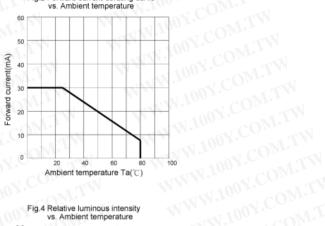
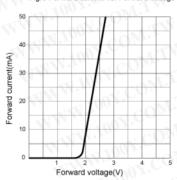


Fig.3 Forward current vs. Forward voltage



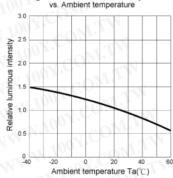


Fig.5 Relative luminous intensity

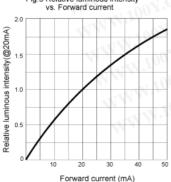
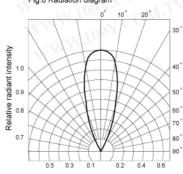


Fig.6 Radiation diagram



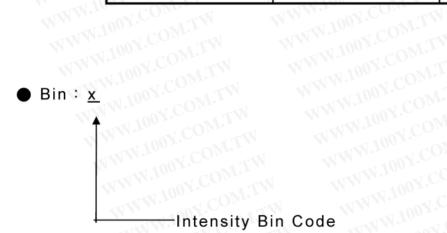
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Bin Limits

1. Intensity Bin Limits (At I_F= 20mA)

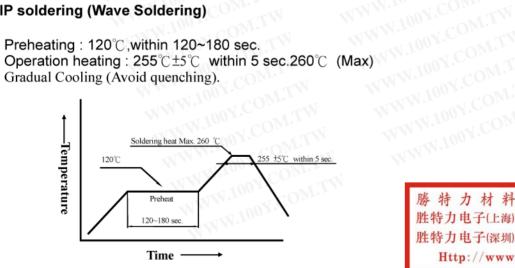
Bin Code	Min. (mcd)	Max. (mcd)
C MAMY	0.7	WWW.100.00M
TW D WWW	100Y.CO 1.0TW	1.6
W.TW E WW	1.6	2.4
OM.TVF WY	W.100 2.4 M.TW	3.7
COM.TG	3.70	5.5



NOTES:1.Tolerance of measurement of luminous intensity. WWW.100Y.COM.TW WWW.100Y.COM.TW :±15% WWW.100Y.COM.TV WWW.100Y.COM.T

DIP soldering (Wave Soldering)

WWW.100Y.COM.TW WWW.100Y.COM.TW WWW.100Y.COM.TW



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