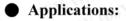
# BRIGHT LED ELECTRONICS CORP.

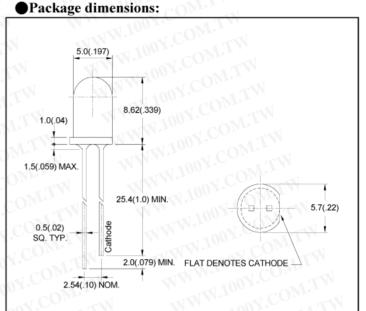
BL-B5134-AT



- 1. Chip material: GaP/GaP
- 2. Emitted color : Bright Red
- 3. Lens Appearance : Red Diffused
- 4. Low power consumption.
- 5. High efficiency.
- 6. Versatile mounting on P.C. Board or panel.
- 7. Low current requirement.
- 8. 5mm diameter package
- 9. This product don't contained restriction substance, compliance ROHS standard.



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



#### Notes:

- 1. All dimensions are in millimeters (inches).
- 2. Tolerance is ±0.25mm (0.01") unless otherwise specified.
- 3. 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	Symbol	Rating	Unit
Power Dissipation	100 Pd	40	mW
Forward Current	100Y. IE NI.TW	30	mA
Peak Forward Current*1	V.100 IFP M.T	50	mA
Reverse Voltage	VR	5,100	V
Operating Temperature	Topr	-40℃~85℃	
Storage Temperature	Tstg	-40℃~100℃	
Soldering Temperature	Tsol	260℃max (for 5 seconds)	
Hand Soldering Temperature	Tsol	350°∁max(for 3 seconds )	

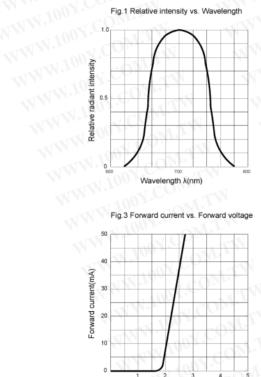
\*<sup>1</sup>Condition for I<sub>FP</sub> is pulse of 1/10 duty and 0.1msec width.

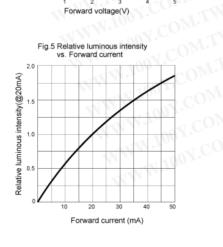
# WW.100Y.COM.T WW.100Y.COM. BRIGHT LED ELECTRONICS CORP.

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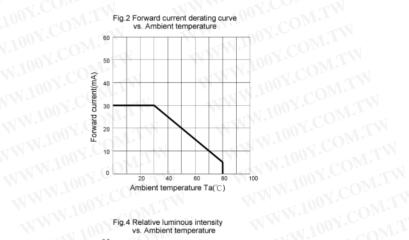
Parameter	Symbol	Condition	Min.	Тур.	Max.	Unit
Forward Voltage	V <sub>F</sub>	I <sub>F</sub> =20mA	WWW	2.3	2.6	V
Luminous Intensity	lv lv	I <sub>F</sub> =20mA	Ww	3.0	ON. TW	mcd
Reverse Current	I <sub>R</sub>	V <sub>R</sub> =5V		W.Ino.	100	μA
Peak Wave Length	λρ	I <sub>F</sub> =20mA	-	700	CON-	nm
Dominant Wave Length	λd	I <sub>F</sub> =20mA		650	CONT	nm
Spectral Line Half-width	Δλ	I <sub>F</sub> =20mA	- 10	100	N.COM.	nm
Viewing Angle	20 <sub>1/2</sub>	I <sub>F</sub> =20mA		35	COM-	deg

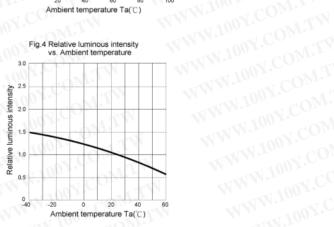
Typical electro-optical characteristics curves

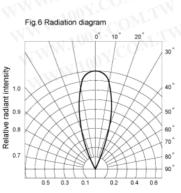




Forward voltage(V)







### BRIGHT LED ELECTRONICS CORP.

BL-B5134-AT

### **Bin Limits**

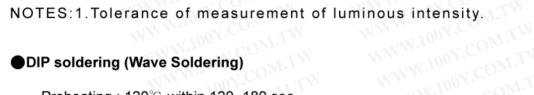
W.100Y.C

1. Intensity bin limits (At I<sub>F</sub>= 20Ma)

Bin Code	Min. (mcd)	Max. (mcd)	
D WWW.	0 1.0	1.6	
TH E WWW	1.6	2.4	
M.TW F WW	2.4	3.7	
G	3.7	5.5 001	
M.TH V	5.5	8.2	

WW.100Y.COM.TW Bin : <u>x</u>

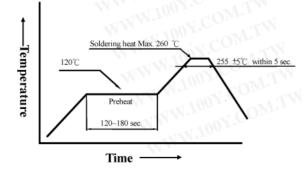
> 00Y.COM.TW Intensity bin code



# W.100Y.COM.TW :±15%000.COM WWW.100Y.COM.TV WWW.100Y.COM.T

#### DIP soldering (Wave Soldering)

WW.100Y.COM.TW WWW.100Y.COM.TW Preheating : 120°C, within 120~180 sec. Operation heating : 255°C±5°C within 5 sec.260°C (Max) WWW.100Y.COM.TW Gradual Cooling (Avoid quenching).



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