

光之宝
lightBO

深圳光之宝科技有限公司

Shenzhen Guangzhibao Technology Co.,Ltd.

SPECIFICATION FOR APPROVAL

DESCRIPTION : 4-Digit 17mm Com Cathode Red/Yellow/Pure Green LED Display

PART NUMBER : LB6026LRYG1S

CUSTOMER :

拟制 (PREPARED BY) LI PEIWEI

审核 (CHECKED BY) : WEN WU

批准 (APPROVED BY) : LIU ZHIYONG

日期 (DATE): 2018.09.05

客户承认 (APPROVED BY CUSTOMER):

签名 (SIGNED): _____ 职务 (TITLE): _____ 日期 (DATE): _____

Add:Room 619,6/F,A-Fontane Center,Jinlong Industrial Town,No. 88, Daxin Road,
Nantou Street,Nanshan District,Shenzhen Guangdong 518052 China

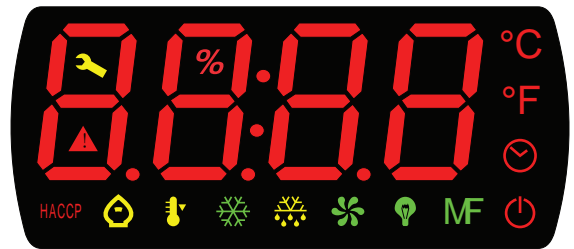
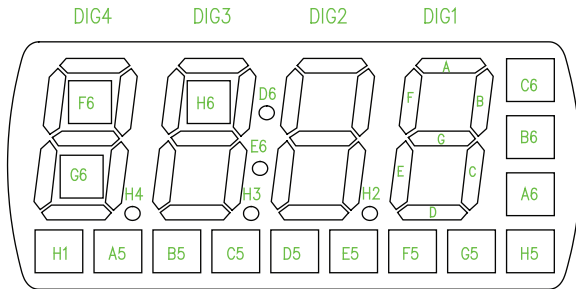
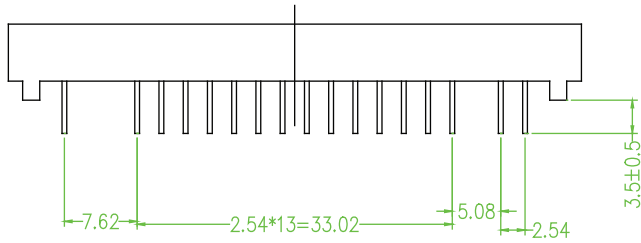
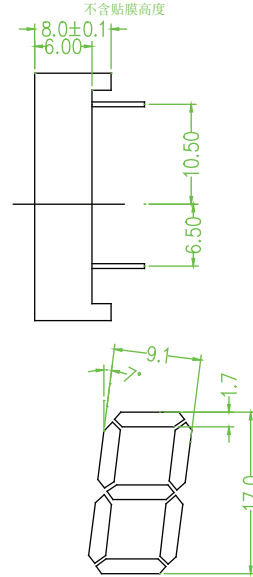
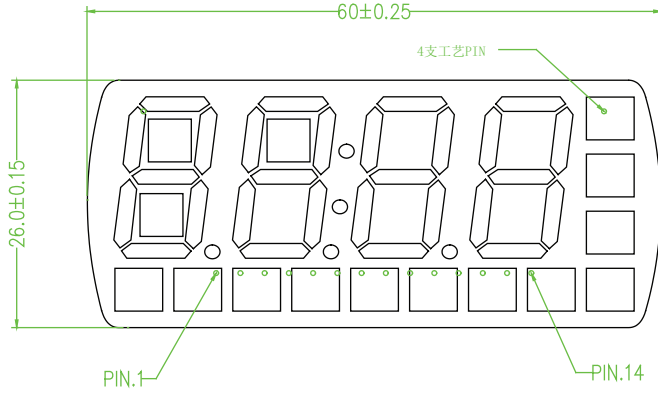
Tel: (86 755)8398 3496

Fax: (86 755)8398 3484

Web: www.lightbo.cn

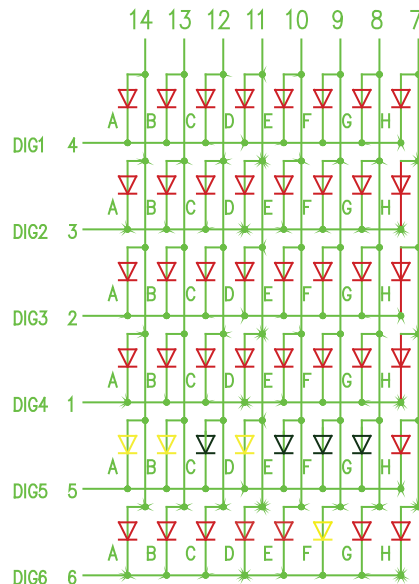
E-mail: lightbo@lightbo.cn




LB6026LRYG1S 2018-04-19



CODE L

Common Cathode



-  Pure Green (G)
-  Red (R)
-  Yellow (Y)



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LB6026LRYG1S Customized 4-Digit LED Display

一 . Feature

01. Package dimensions: 60*26*8(mm)
02. Digit height: 17mm (0.67inch)
03. Common Cathode
04. White segments black surface with film
05. Emitting color: Red/Yellow/Pure Green
06. High luminous intensity and reliability
07. Low current operation
08. Stable performance
09. Continuous uniform segments
10. Easy assembly
11. IC compatible
12. Meet RoHS

二 . Absolute Maximum Ratings ($T_a = 25^{\circ}\text{C}$)

Parameter	Symbol	Rating	Unit
Forward Current(per led)	I_{PM}	20	mA
Reverse Voltage(per led)	V_R	5	V
Power Dissipation(per led)	P_M	70/50/45 (Pure Green/Yellow/Red)	mW
Operating Temperature	T_{opr}	-40~+85	$^{\circ}\text{C}$
Storage Temperature	T_{STg}	-40~+85	$^{\circ}\text{C}$
Solder Temperature ($\leq 3\text{sec}$)	T_h	260	$^{\circ}\text{C}$

Code: R-Ultra Bright Red (AlGaInP)

Parameter	Symbol	Condition	Min.	Typ.	Max.	Unit
Forward Voltage (Per dice)	Vf	If=20mA	1.8		2.3	V
Reverse Voltage (Per dice)	Vr	Ir=10uA		5		V
Luminous Intensity (Per dice)	Iv	If=20mA	60		80	mcd
Spectrum Width Of Half Value	•	If=20mA		22		nm
Wavelength	D	If=20mA	630		635	nm
Peak Forward Current (Per dice) 1/10 Duty Cycle, 0.1ms Pulse	Ifp		70			mA
Operating Temperature Range	Topr	- 35 °C to 85 °C				
Storage Temperature Range	Tstg	- 35 °C to 85 °C				
Solder Temperature 1.5mm below seating plane for 3 Seconds at 260 °C						

Absolute Maximum Rating at Ta=25°C

Fig.1

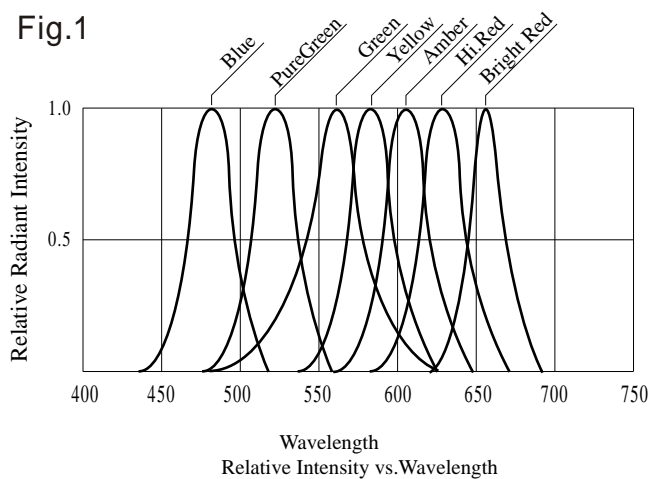


Fig.2

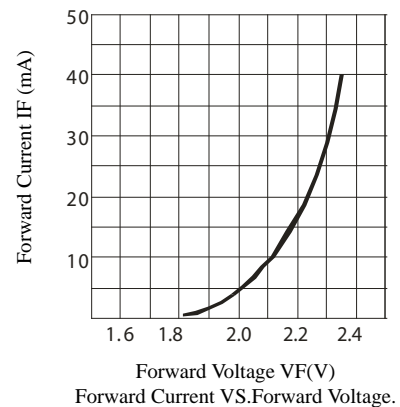


Fig.3

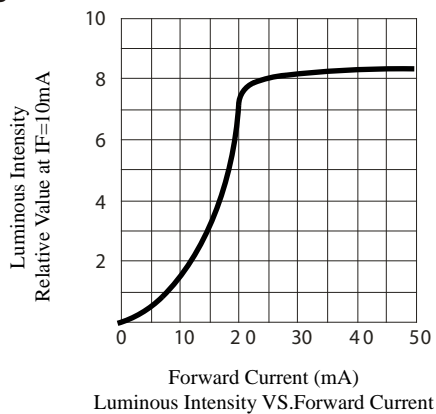
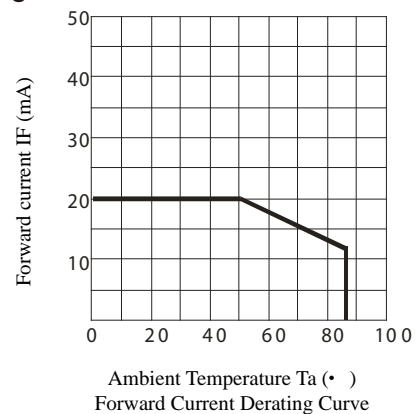


Fig.4



LED working lifetime 100,000 hrs
Absolute Maximum Rating at Ta=25°C

Code: Y- Ultra Bright Yellow (AlGaInP)

Parameter	Symbol	Condition	Min.	Typ.	Max.	Unit
Forward Voltage (Per dice)	V _f	I _f =20mA	1.8		2.3	V
Reverse Voltage (Per dice)	V _r	I _r =10uA		5		V
Luminous Intensity (Per dice)	I _v	I _f =20mA	70		80	mcd
Spectrum Width Of Half Value	Δλ	I _f =20mA		30		nm
Wavelength	Dλ	I _f =20mA	585		590	nm
Peak Forward Current (Per dice) 1/10 Duty Cycle, 0.1ms Pulse	I _{fp}		70			mA
Operating Temperature Range	T _{opr}	- 35 °C to 85 °C				
Storage Temperature Range	T _{stg}	- 35 °C to 85 °C				
Solder Temperature 1.5mm below seating plane for 3 Seconds at 260 °C						

Absolute Maximum Rating at T_a=25°C

Fig.1

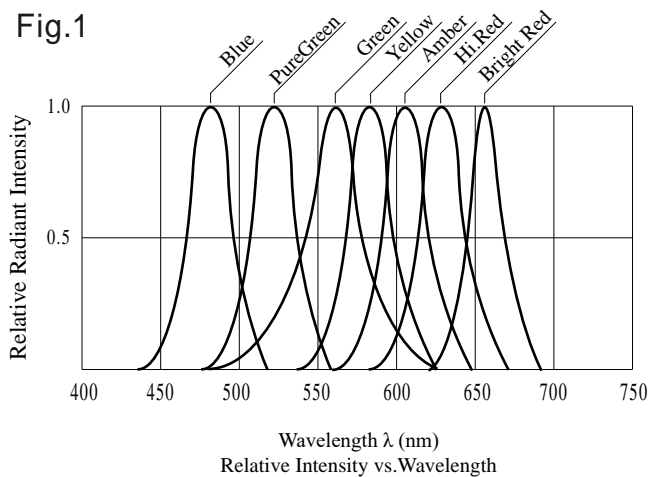


Fig.2

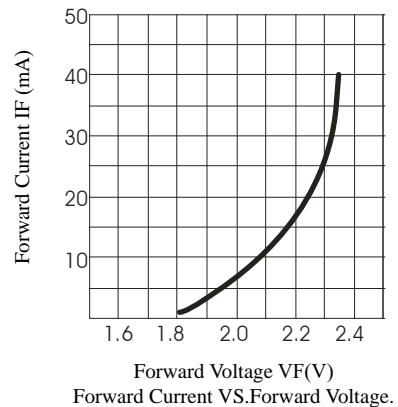


Fig.3

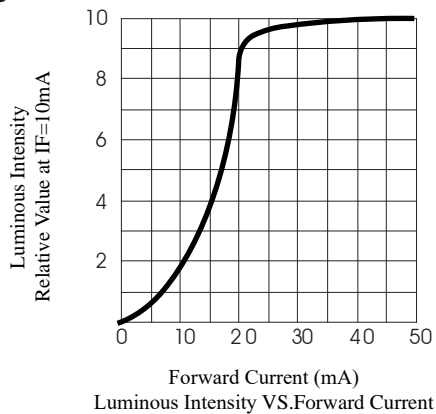
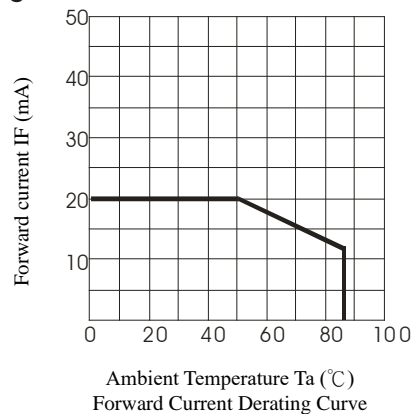


Fig.4



LED working lifetime 100,000 hrs
 Absolute Maximum Rating at T_a=25°C

Code: G-Pure Green

Parameter	Symbol	Condition	Min.	Typ.	Max.	Unit
Forward Voltage (Per dice)	Vf	If=20mA	2.8		3.4	V
Reverse Voltage (Per dice)	Vr	Ir=10uA		5		V
Luminous Intensity (Per dice)	Iv	If=20mA	120		140	mcd
Spectrum Width Of Half Value	Δ	If=20mA		22		nm
Wavelength	D	If=20mA	515		525	nm
Peak Forward Current (Per dice) 1/10 Duty Cycle,0.1ms Pulse	Ifp		100			mA
Operating Temperature Range	Topr	- 35 °C to 85 °C				
Storage Temperature Range	Tstg	- 35 °C to 85 °C				
Solder Temperature 1.5mm below seating plane for 3 Seconds at 260 °C						

Absolute Maximum Rating at Ta=25°C

Fig.1

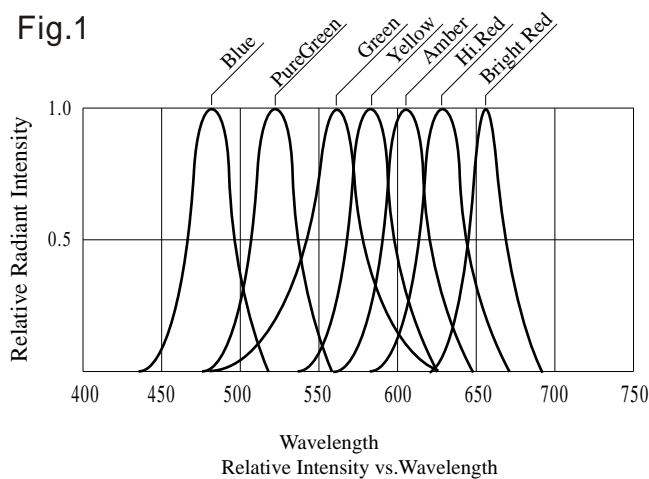


Fig.2

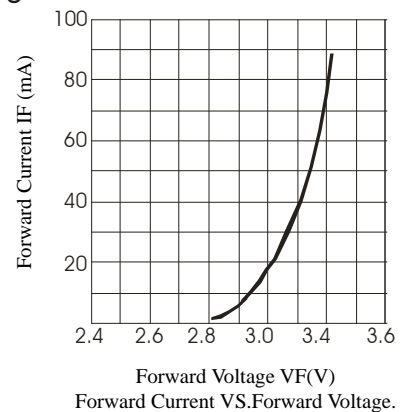


Fig.3

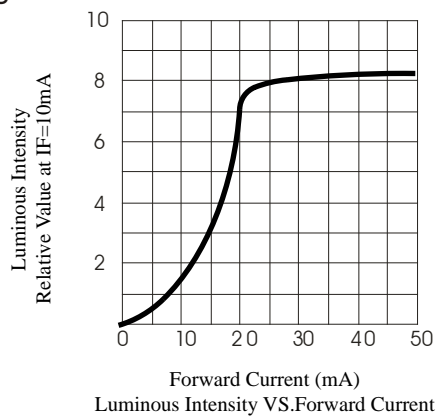
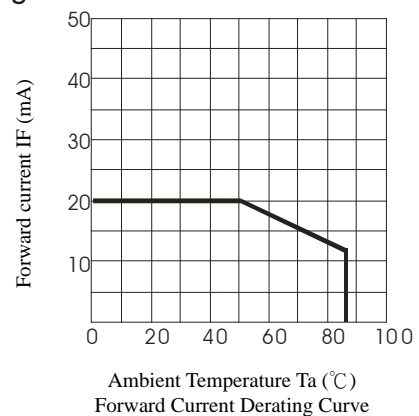


Fig.4



LED working lifetime 100,000 hrs
 Absolute Maximum Ratings at 25°C