



光之宝

lightbo

深圳光之宝科技有限公司

Shenzhen Guangzhibao Technology Co.,Ltd.

SPECIFICATION FOR APPROVAL

DESCRIPTION : 2-Digit 0.54" Common Cathode Green 14-Segment LED Display

PART NUMBER : LB20541LJ1B

CUSTOMER : _____

拟制 (PREPARED BY) : LI PEIWEI

审核 (CHECKED BY) : WEN WU

批准 (APPROVED BY) : LIU ZHIYONG

日期 (DATE): 2018.04.11

客户承认 (APPROVED BY CUSTOMER):

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

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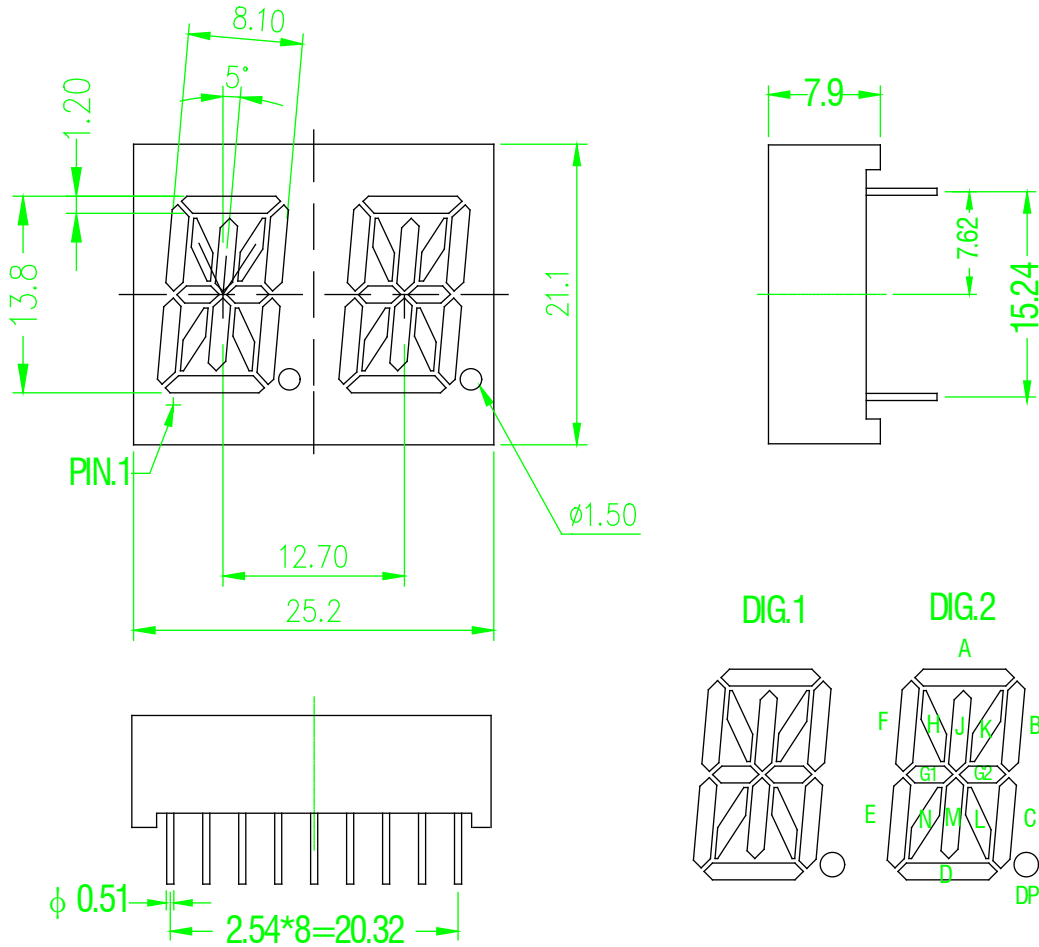
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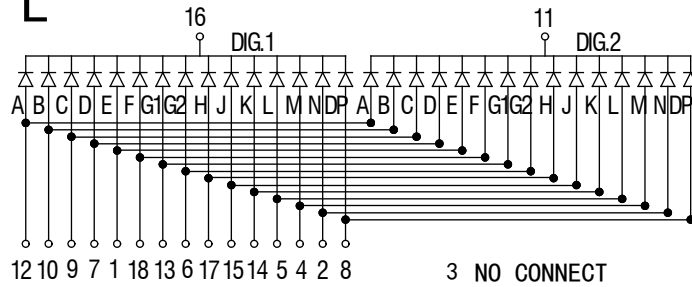
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E-mail: lightbo@lightbo.cn

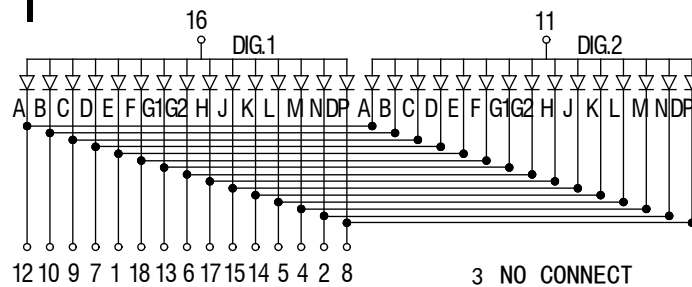
LB20541



CODE L



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LB20541LJ1B

Dual-Digit 14-Segment LED Display

一. Features

01. Package Dimensions : 25.1*21.1*7.8mm
02. Digit height : 13.8mm (0.54")
03. Polarity: Common cathode
04. White Segment Black Surface
05. Emitting color: Super bright Green
- 06 . High Luminous Intensity
07. Low Current Operation
08. Stable performance
09. Continuous Uniform Segments
10. Easy mounting on PC Boards
11. Long lifetime
12. Meet RoHS Compliant

二 . Absolute Maximum Ratings (Ta = 25°C)

Parameter	Symbol	Ratings	Unit
Forward Current (per dice)	I_{PM}	20	mA
Reverse Voltage(per dice)	V_R	5	V
Power Dissipation(per dice)	P_M	50	mW
Operating Temperature Range	T_{opr}	-40~+85	°C
Storage Temperature Range	T_{STg}	-40~+85	°C
Solder Temperature (3 sec)	T_h	260	°C

Code:J Super Bright Green (GaP)

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	25		30	mcd
Spectrum Width Of Half Value	Δ	If=20mA		30		nm
Wavelength	D	If=20mA	569		573	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

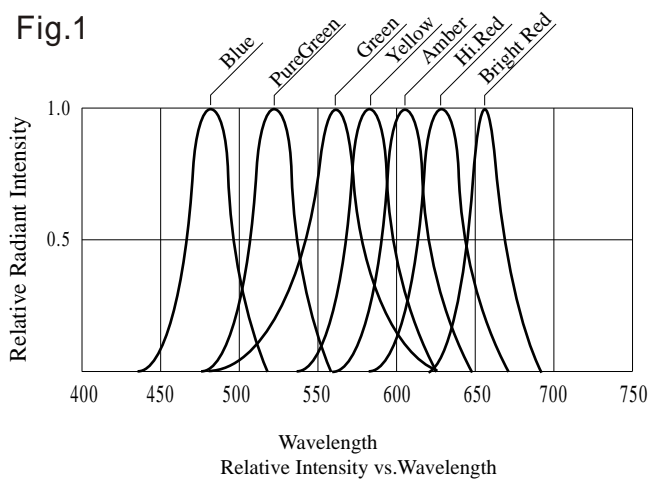


Fig.2

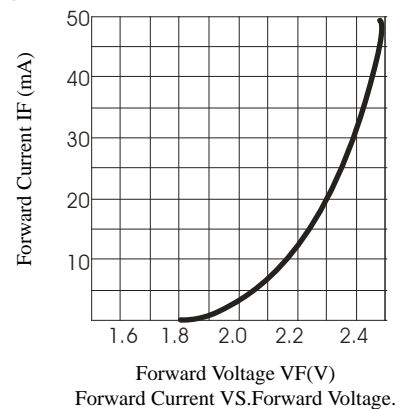


Fig.3

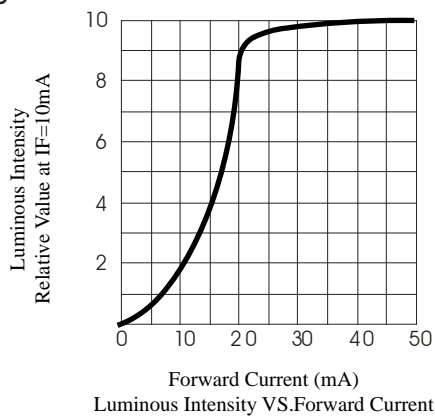
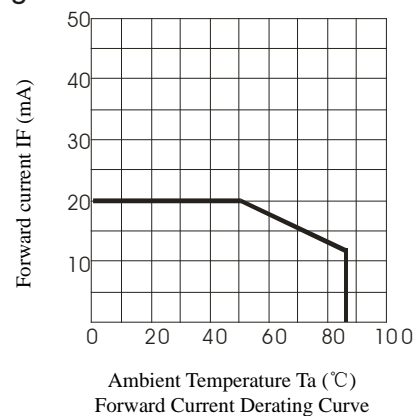


Fig.4



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