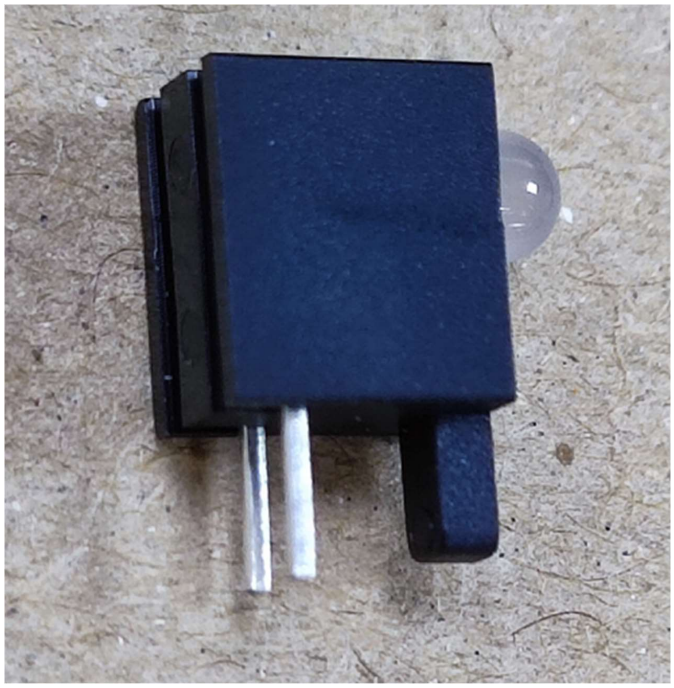
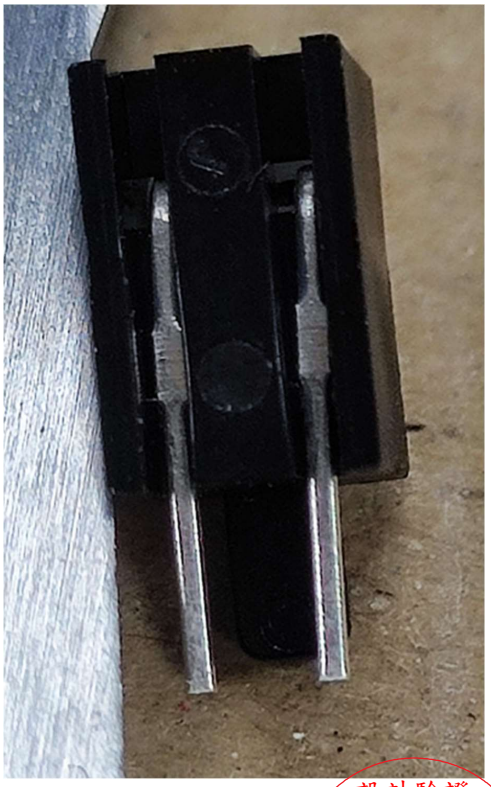








設計驗證
工程課
2024.03.11
發行
全漢科技開發股份有限公司

承　認　書

VICTORY ELECTRONICS CO.LTD
10F-4,No.33,Sec.1,Minsheng Rd.,
Banqiao Dist. New Taipei City, Taiwan, R.O.C.
TEL: 886-2-2950-0123
FAX: 886-2-2950-0101
http://www.victorytw.com

SPECIFICATION FOR APPROVAL
Issue Date: Dec. 26 2023

客 戶: (CUSTOMER) : 鈺緯科技開發股份有限公司

產 品 : (PRODUCT): 3mm Array Bi-Color Green/Amber

型 號 : (PART NO): VA 158B6RS

QISDA 料 號 : (QISDA PART NO): TY.0FD10.002

DIVA 料 號 : (DIVA PART NO): 3DLEDGA048X (D0071)

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威力光電股份有限公司

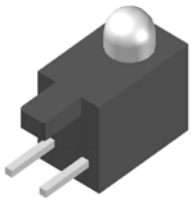
威力光電股份有限公司
發
Dec 26 2023
行
VICTORY ELECTRONICS CO., LTD.

3mm Round LED Lamp Array Bi-Color

VA 158B6RS

Main Features:

◎ Low power consumption
◎ Free combination on the color of LED lamps.
◎ Excellent character appearance
◎ Long life solid state reliability
◎ White diffused lens
◎ AlGaInP technology
◎ High luminous under low current driving condition



Applications

- Lighting indicator
- Status lights
- ON/OFF indicator
- Backlight illumination

RoHS

Pb
pb-free

Electronic Optical Characteristics (at 20mA):

Part Number	Emitted Color	λ (nm)		Iv(mcd)		VF(Volt)		View Angle	Lens
		λ d	λ p	Min	Typ.	Typ.	Max.		
VA 158B6RS	Yellow-green	573	575	18	30	2.0	2.4	60	Milky
	Amber	605	611	28	55	2.0	2.4		

Absolute Maximum Ratings at Ta=25℃

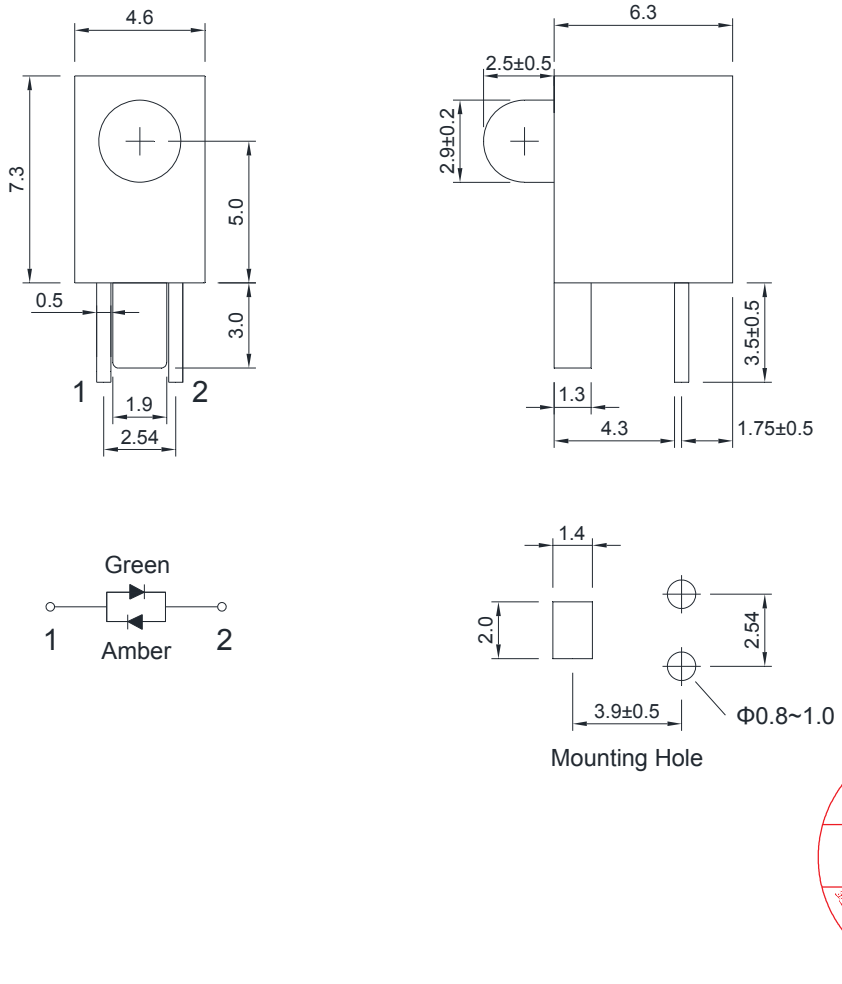
Emitted Color	P_D (mW)	I_F(mA)	I_{FP}(mA)	I_R(uA)@VR=5V	ESD(V)	Topr (℃)	Tsol(℃	Tstg (℃)
Yellow-green	60	25	100	10	2000	-40~+85	260±5	-40~+90
Amber	60	25	100	10	2000	-40~+85	5 sec.	-40~+90

Note: Please take note the Absolute Maximum Rating values. Any operation beyond the specified ratings in this table will result degradation of LED life-span and may cause LED to fail.

＊I_{FP}: Peak Forward Current under 1/10 duty, 1KHz condition

Package Dimension:

unit: mm



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Notes:

1. All dimensions are millimeters.
2. Dimensional tolerance is +/- 0.5mm unless otherwise specified.
3. Specifications are subject to change without notice.