



Jiangsu Everstar Electronics Co., Ltd.

Address:No.6, Xiangshan Rd, Tianmuhu Town,Liyang City,Jiangsu,213300

TEL: +86-519-87557772

FAX: +86-519-87557773

Http: www.everstarelect.com

DATA SHEET

ESL NO.. : ESD-100HBBW-CAS1

CUS NO. :

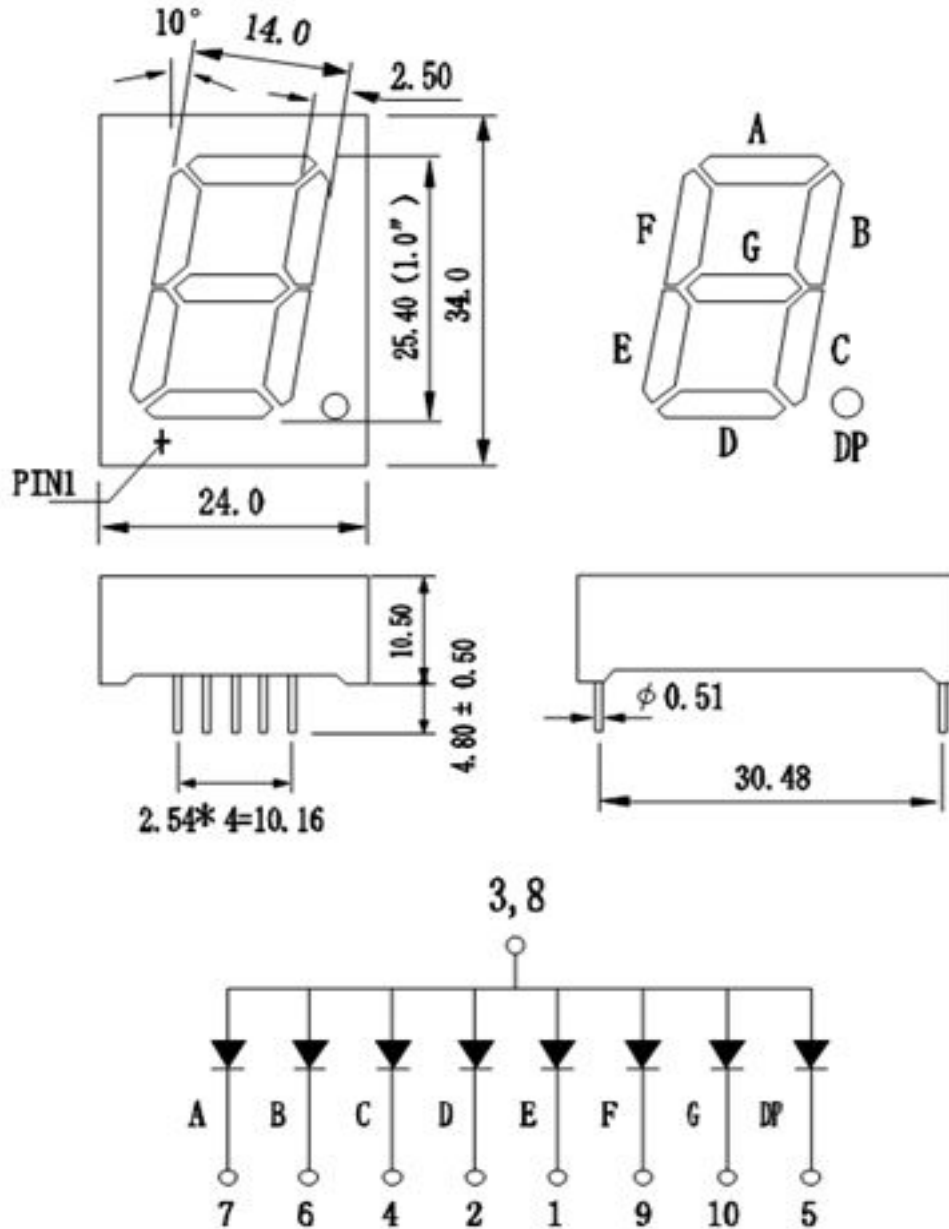
REV : A / 0

Producer: _____ Auditor: _____ Approver: _____

CUSTOMER'S APPROVAL : _____

DCC : _____

PACKAGE DIMENSIONS



Note:

1. All Dimensions are in millimeters.
2. Tolerance is ±0.25mm(0.010 ") Unless otherwise specified.



1 Inch Single Digit Display

ESD-100HBBW-CAS1

REV:A / 0

■ 产品特征 FEATURES :

- 高可靠性和高稳定性

High intensity and reliability

- 高品质、和低功耗、低成本

High quality, Low power requirement and low cost

- IC 易兼容、易装配

IC compatible , Easy assembly

- 符合 RoHS 指令要求

Meet RoHS EU Directive

- 静电承受能力 1000V (HMB)

ESD 1000V (HMB)

■ 产品描述 DESCRIPTION :

- 1 英寸单位数码管

1 Inch Single Digit Display

- 极性共阳

Common Anode

- 黑面，白胶

Black face, white segment

- 发光颜色

Luminous Color :

蓝色 Blue

- 晶片材质

Chips Materials

1、AlGaInP



1 Inch Single Digit Display

ESD-100HBBW-CAS1

REV:A / 0

产品最大绝对参数值 (Ta : 25°C) ABSOLUTE MAXIMUM RATINGS AT Ta=25°C :

PARAMETER 项目	SYMBOL 符号	Blue 蓝色	UNIT 单位
Power Dissipation Per Segment 功耗	PAD	70	mw
Reverse Voltage Per Segment 反向耐压	VR	5	V
Continuous Forward Current Per Segment 最大使用电流	IAF	20	mA
Peak Forward Current Per Segment(Duty-0.1,1KHz) 最大峰值电流	IPF	100	mA
Operating Temperature Range 工作温度	TOPr	-20°C to 80°C	
Storage Temperature Range 贮藏温度	Tstg	-30°C to 85°C	
Lead Soldering Temperature 260°C at 1.6mm From Body for 3 second 焊接温度 260°C/3 秒 距离胶体 1.6mm 以上			

产品光电参数值 (Ta : 25°C) ELECTRICAL/OPTICAL CHARACTERISTICS AT Ta=25°C :

PARAMETER 项目	SYMBOL 符号	TEST CONDITION 测试条件	Color 颜色	MIN 最小值	TYP 标准值	MAX 最大值	UNIT 单位
Forward Voltage ,Per Segment 正向压降	VF	IF=20mA	蓝色 Blue	3	3.2	3.5	V
Reverse Current , Per Segment 反向漏电流	IR	VR=5V	蓝色 Blue			50	μA
Peak Emission Wavelength 峰值波长	λp	IF=20mA	蓝色 Blue	460	462.5	465	nm
Luminous Intensity Per Segment 法向光强	IV	IF=20mA	蓝色 Blue	75	80	85	mcd

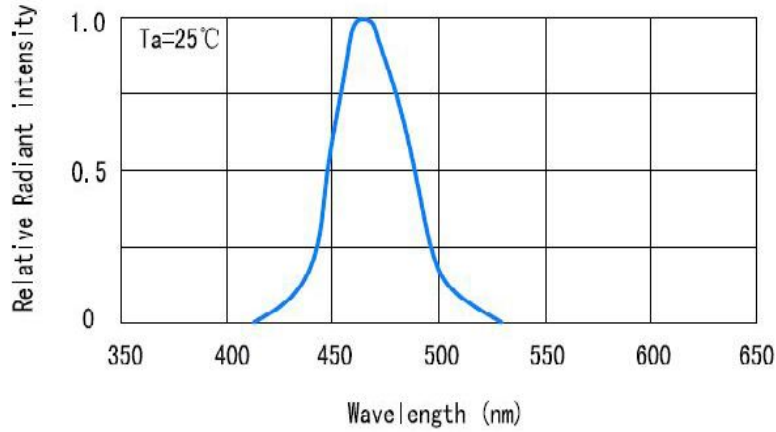


1 Inch Single Digit Display

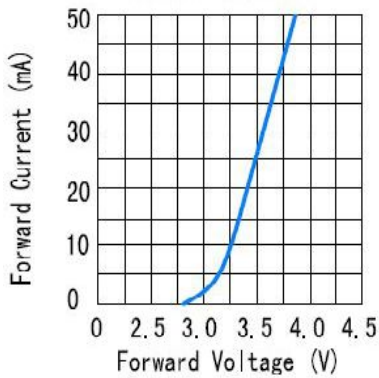
ESD-100HBBW-CAS1

REV:A / 0

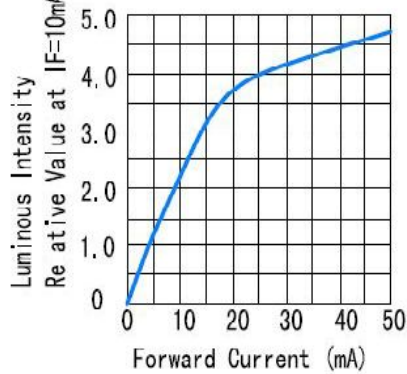
RELATIVE INTENSITY VS. WAVELENGTH



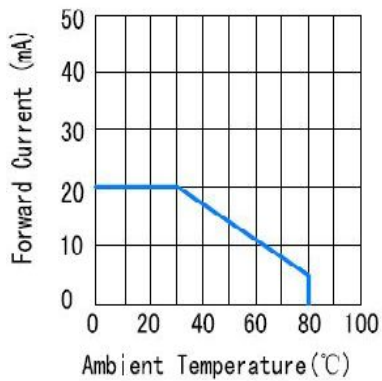
FORWARD CURRENT VS. FORWARD VOLTAGE



LUMINOUS INTENSITY VS. FORWARD CURRENT



ALLOWABLE FORWARD CURRENT AMBIENT TEMPERATURE



LUMINOUS INTENSITY VS. AMBIENT TEMPERATURE

