



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](http://www.everstarelect.com)

## DATA SHEET

ESL NO.. : PH-P620401B

CUS NO. :

REV : A / 0

Producer: Eden

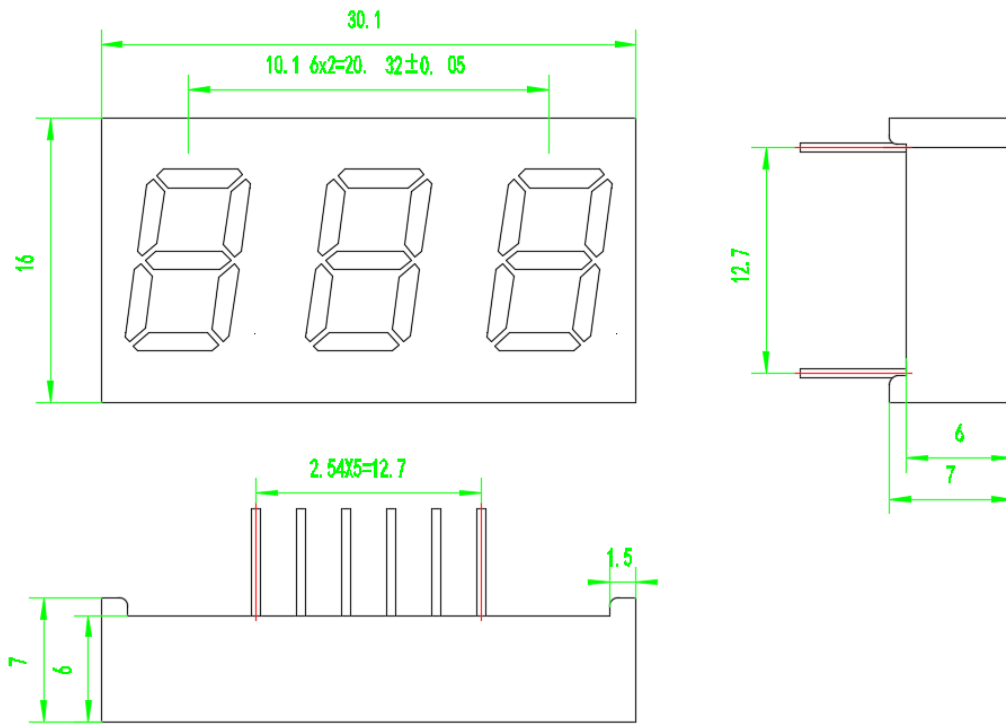
Auditor: \_\_\_\_\_

Approver: Jack

CUSTOMER'S APPROVAL : \_\_\_\_\_

DCC : \_\_\_\_\_

■ PACKAGE DIMENSIONS



Note:

All dimensions are in millimeters (inches) tolerance are 0.25mm(0.010) unless otherwise noted

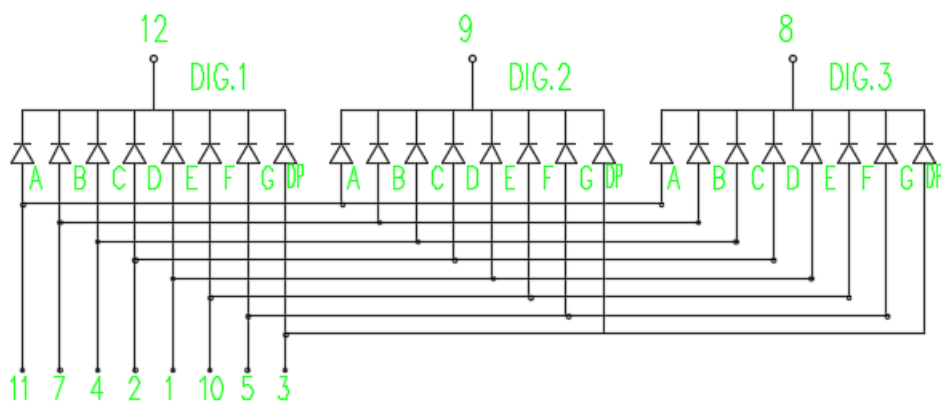
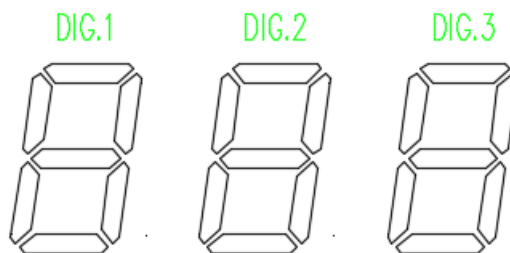
### ■ FEATURES:

- 0.4" Inch LED DISPLAY
- High intensity and reliability
- High quality, Low power requirement
- IC compatible , Easy assembly

### ■ DESCRIPTION:

- Black face, White fields
- Common Cathode Display
- Blue Color(InGaN)
- RoHS Compliant

### ■ INTERNAL CIRCUIT DIAGRAM





# 0.4" Inch LED DISPLAY

## PH-P620401B

REV:A / 0

### ■ ABSOLUTE MAXIMUM RATINGS AT Ta=25°C:

PARAMETER	Max.	UNIT
Power Dissipation Per Segment	75	mW
Peak Forward Current Per Segment (1/10duty cycle 0.1ms pulse width)	100	mA
Average Forward Current Per Segment	30	mA
Derating Linear From 25°C Per Segment	0.33	mA/°C
Reverse Voltage Per Segment	5	V
Operating Temperature Range	-40°C to + 105°C	
Storage Temperature Range	-40°C to + 105°C	

Lead Soldering Temperature 260°C at 1.6mm From Body for 3 seconds

### ■ ELECTRICAL/OPTICAL CHARACTERISTICS AT Ta=25°C:

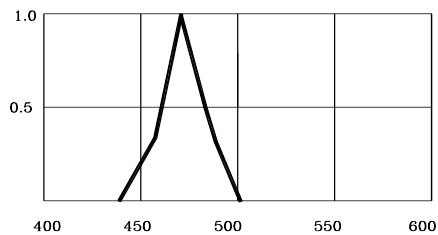
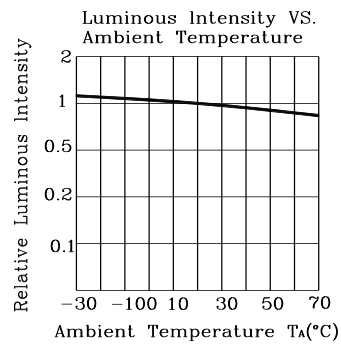
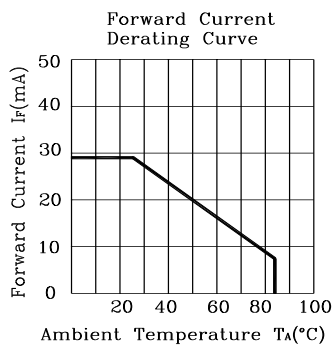
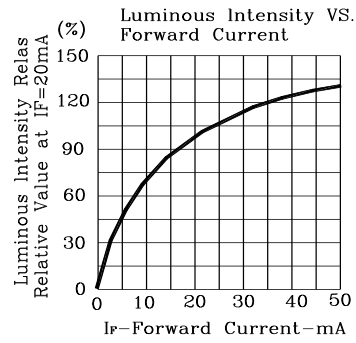
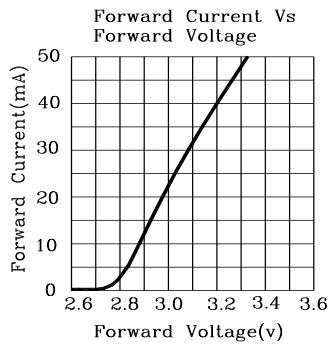
PARAMETER	SYMBOL	MIN.	TYP.	MAX.	UNIT	Test condition
Luminous Intensity Per Segment	I <sub>v</sub>		20		mcd	I <sub>F</sub> =10mA
Dominant Wavelength	λ <sub>d</sub>	460		470	nm	I <sub>F</sub> =20mA
Forward Voltage Per Dice	V <sub>F</sub>	2.8		3.2	V	I <sub>F</sub> =20mA
Reverse Current Per Dice	I <sub>R</sub>	--	--	50	μ A	V <sub>R</sub> =5V



# 0.4" Inch LED DISPLAY

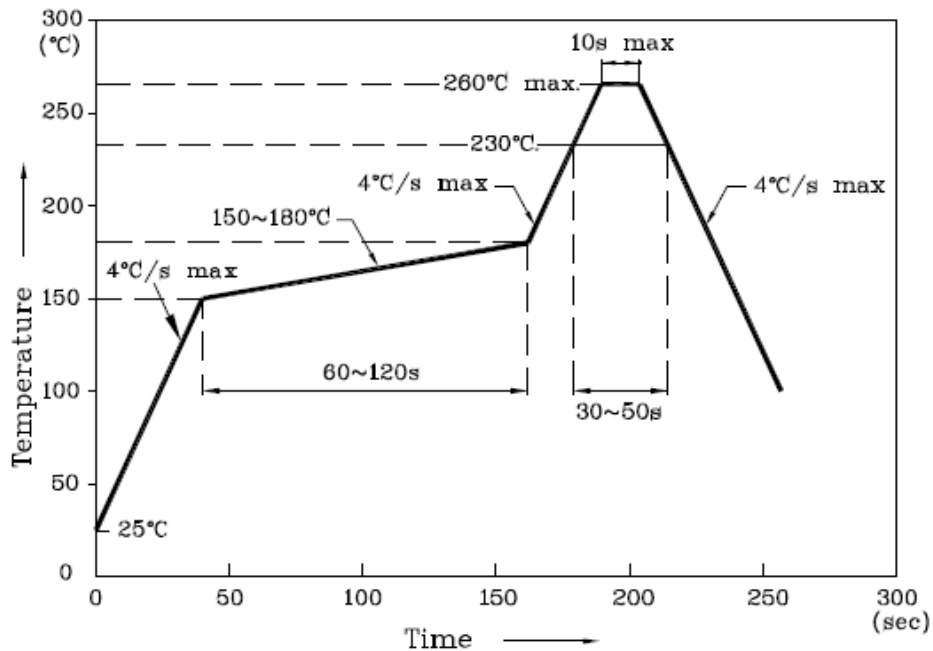
## PH-P620401B

REV:A / 0



■ Recommended SMT condition:

Reflow Soldering Profile For Lead-free SMT Process.



Notes:

1. Maximum soldering temperature should not exceed 260°C.
2. Recommended reflow temperature: 145°C-260°C.
3. Do not put stress to the epoxy resin during high temperatures conditions.

## Looking for pricing, stock, or lifecycle information?

Click below to explore more details on WIN SOURCE:

- [View PH-P620401B on WIN SOURCE](#)
- [Shanghai Everstar Electronics Co., Ltd. Information](#)

## Optimize Your Supply Chain with WIN SOURCE Solutions

- ✓ Global Sourcing Solution
- ✓ Obsolete Management
- ✓ Cost Control Management
- ✓ Shortage Management
- ✓ Alternative Solution
- ✓ Excess Inventory Management