升谱光电 SUNPU

ATTENTION
OBSERVE PRECAUTIONS
FOR HANDLING
ELECTROSTATIC
DISCHARGE
SENSITIVE
DEVICES

Part No.: NET-5631BT-11

Features：

- Industrial standard size.

- Low current operation.

- Easy mounting on P.C. boards or sockets.

- I.C. compatible.

- Mechanically rugged.

- Pb free.

- RoHS compliant.

Descriptions：

- The NET-563xBx series is a large 14.2mm

  （0.56"）high seven segment display.

- These displays provide excellent

  reliability in bright ambient light.

- These devices are made with black

  surface and white segments.

- The Pure Green source color devices are

  made with InGaN Green Light Emitting Diode.

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Part No.： **NET-5631BT-11**

Package Dimensions & Internal Circuit Diagram

DIG.1　DIG.2　DIG.3

NET-563xBx
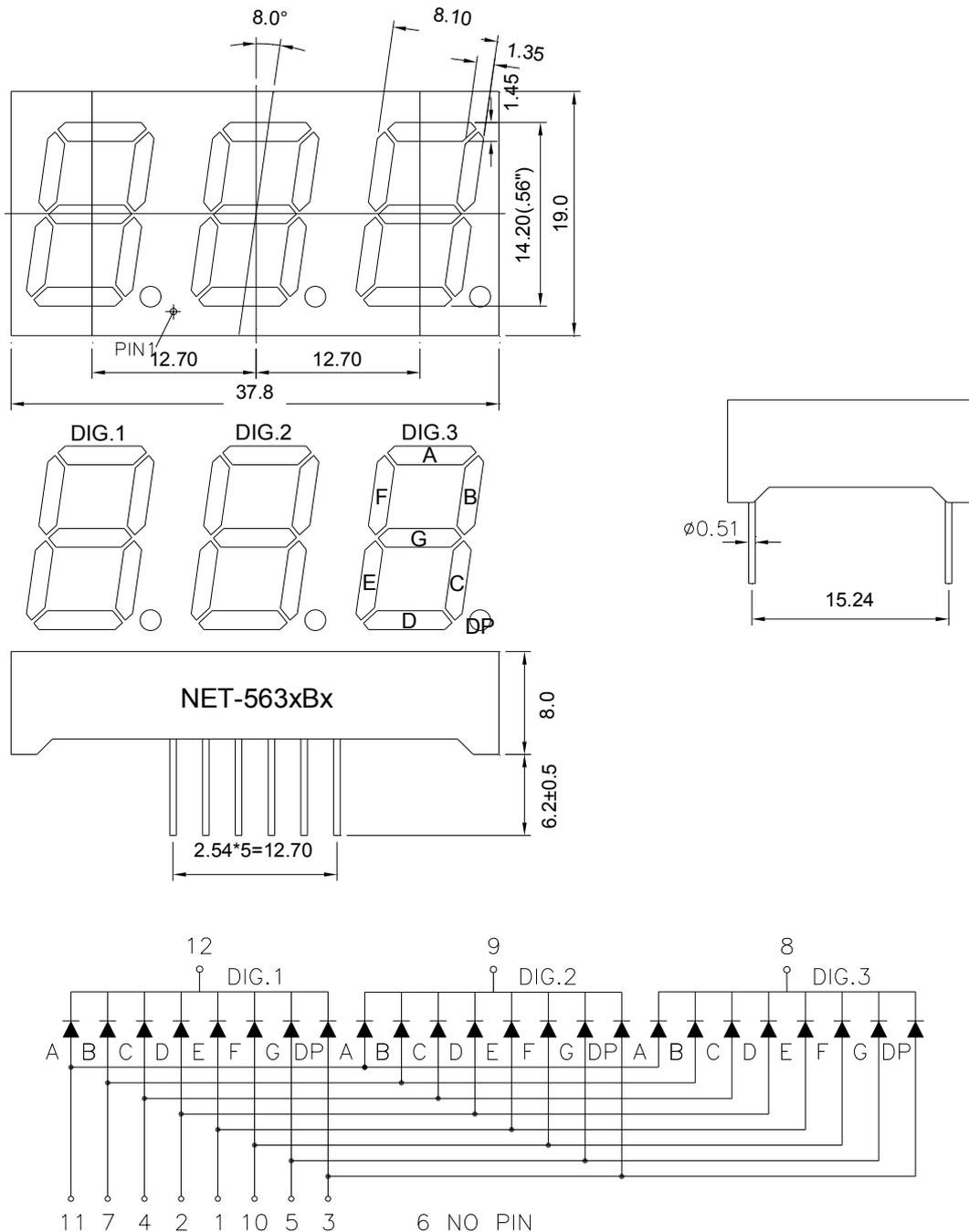
Notes:
1. All dimensions are in millimeters(inches),Tolerance is ±0.25（0.01"）unless otherwise noted.
2. Specifications are subject to change without notice.

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Absolute maximum ratings（Ta = 25℃）

Parameter	Symbol		Value		Unit
			Min.	Max.	
Reverse Voltage	V_R	----	----	5	V
Forward Current	I_F	----	----	25	mA
Power Dissipation	Pd	----	----	75	mW
Pulse Current	Ipeak	Duty=0.1mS，1kHz	----	80	mA
Operating Temperature	Topr	----	-25	+85	℃
Storage Temperature	Tstr	----	-30	+85	℃
Solder Temperature	Tsol	1/16inch below Seating plane	260/3		℃/s

Electrical and optical characteristics　（Ta = 25℃）

Parameter	Symbol	Test Condition	Values			Unit
			Min.	Typ.	Max.	
Forward Voltage	V_F	I_F=20mA	----	3.0	3.6	V
Reverse Current	I_R	V_R=5V	----	----	30	μA
Dominate Wavelength	λ_d	I_F=20mA	----	520	----	nm
Peak Wavelength	λ_p	I_F=20mA	----	522	----	nm
Spectral Line half-width	$\Delta\lambda$	I_F=20mA	----	30	----	nm
Luminous Intensity	I_V	I_F=10mA	----	15	----	mcd

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Typical electrical/optical characteristic curves：

FORWARD CURRENT Vs
FORWARD VOLTAGE

LUMINOUS INTENSITY Vs.
FORWARD CURRENT

FORWARD CURRENT
DERATING CURVE

LUMINOUS INTENSITY Vs.
AMBIENT TEMPERATURE

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