

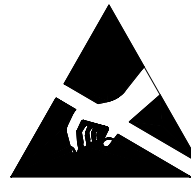
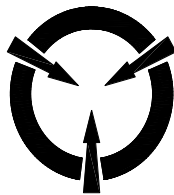
SPE/ SB-SB428HO-A01

# Specification

## for

# SB-SB428HO-A01

(Conformity With RoHS Directive 2002/95/EC)



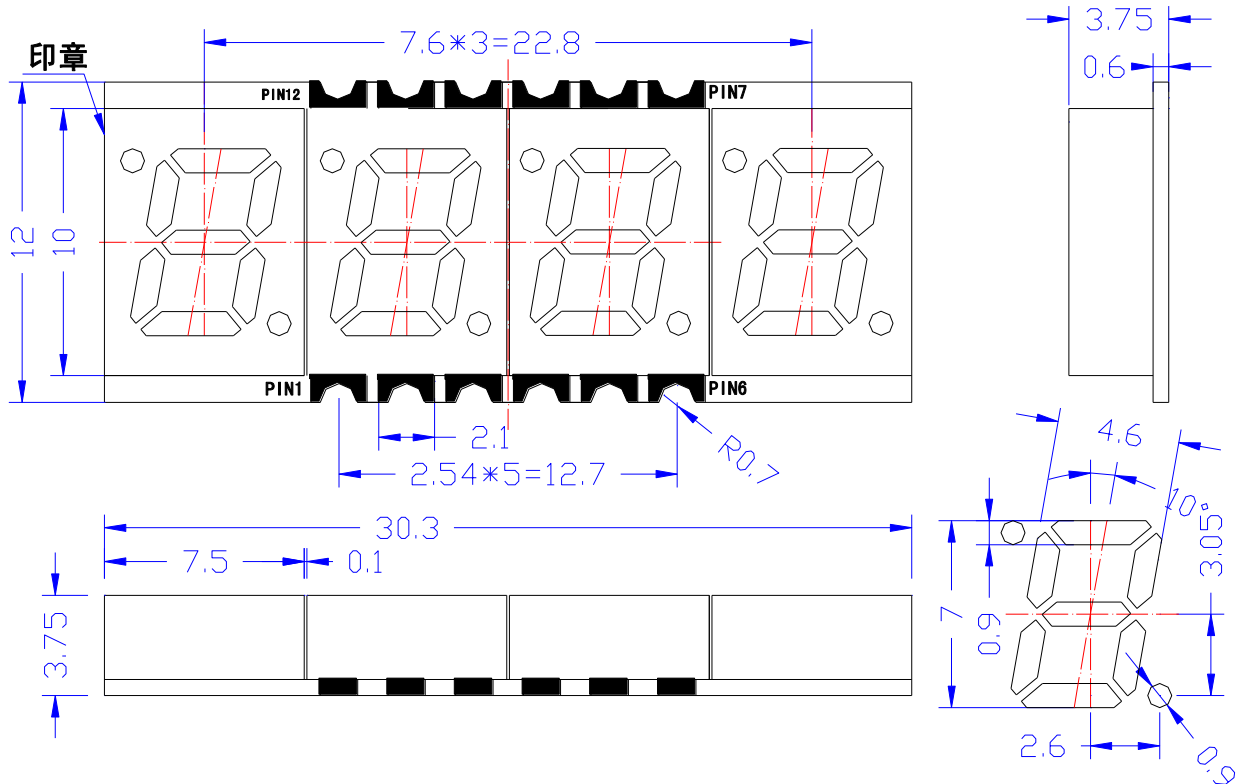
ECN No.	
Doc. No.	SPE/ SB-SB428HO-A01
Revision	01
Date	2022-11-30

<b>Prepared by</b>	<b>Checked by</b>	<b>Approved by</b>

Date: \_\_\_\_\_ Date: \_\_\_\_\_ Date: \_\_\_\_\_

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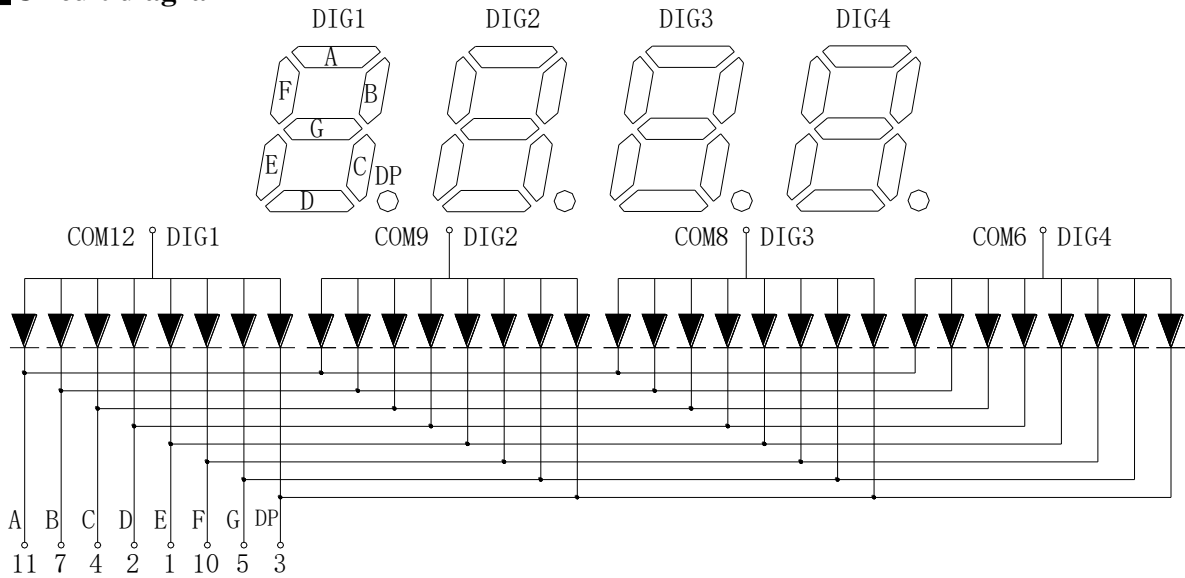
Outer Dimension:



印章: SB428HO-A01

Notes: Unless otherwise stated, The tolerance is  $\pm 0.25$ mm.

Circuit diagram



Pin Connection:

PIN NO.	CONNECTION	PIN NO.	CONNECTION	PIN NO.	CONNECTION
1	Cathode E	5	Cathode G	9	Common Anode DIG2
2	Cathode D	6	Common Anode DIG4	10	Cathode F
3	Cathode DP	7	Cathode B	11	Cathode A
4	Cathode C	8	Common Anode DIG3	12	Common Anode DIG1

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■ **Features:**

- High Reliability
- Color : Amber Digit
- Low Power Requirement
- Easy Assembly

■ **Description:**

- Four Digit Display
- Digit Height:7.0mm(0.28" )
- Black surface and Molding With White Epoxy Common Anode

■ **Absolute Maximum Rating (Ta=25°C):**

Parameter	Symbol	Condition	Color	Rating	Units
Power Dissipation Per Segment	P <sub>d</sub>	—	Amber	65	mW
Forward Current Per Segment	I <sub>F</sub>	—	Amber	20	mA
Derating Of I <sub>F</sub> Per Segment	ΔI <sub>F</sub>	T <sub>a</sub> ≥ 25°C	Amber	0.30	mA/°C
Peak Forward Current Per Segment	I <sub>FP</sub>	1/10 Duty 10KHz	Amber	100	mA
Reverse Voltage Per Segment	V <sub>R</sub>	—	Amber	5	V
Operating Temperature Range	T <sub>opr</sub>	—	—	-30~+85	°C
Storage Temperature Range	T <sub>stg</sub>	—	—	-30~+85	°C

■ **Electrical/Optical Characteristics Rating(Ta=25°C)**

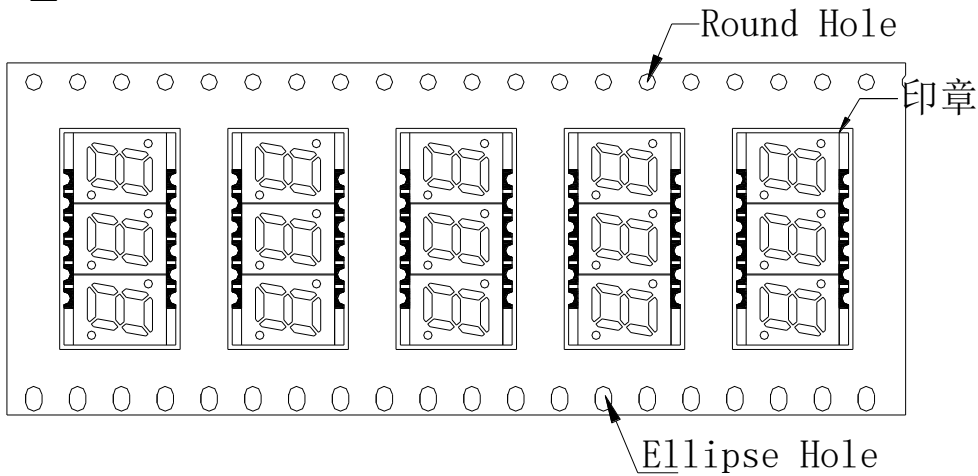
Item	Symbol	Test conditions	Location	Color	Rating			Units
					Min.	Typ.	Max.	
Forward Voltage	V <sub>F</sub>	I <sub>F</sub> =20mA	Per Segment	Amber	—	2.1	2.5	V
Reverse Current	I <sub>R</sub>	V <sub>R</sub> =5V	Per Segment	Amber	—	—	100	μA
Luminous Intensity	I <sub>V</sub>	I <sub>F</sub> =10mA	Per Segment	Amber	5000	9500	—	μcd
Peak Emission Wave Length	λ <sub>P</sub>	I <sub>F</sub> =20mA	Per Segment	Amber	—	610	—	nm
	λ <sub>D</sub>					600		
Spectral Line Half Width	Δλ	I <sub>F</sub> =20mA	Per Segment	Amber	—	20	—	nm
Luminous Intensity Matching Ratio(Segment To Segment)	I <sub>V-m</sub>	I <sub>F</sub> =10mA					2:1	

■ **Remark: Use only with no-clean solder. Displays are not to be washed or cleaned, may cause segment failure.**

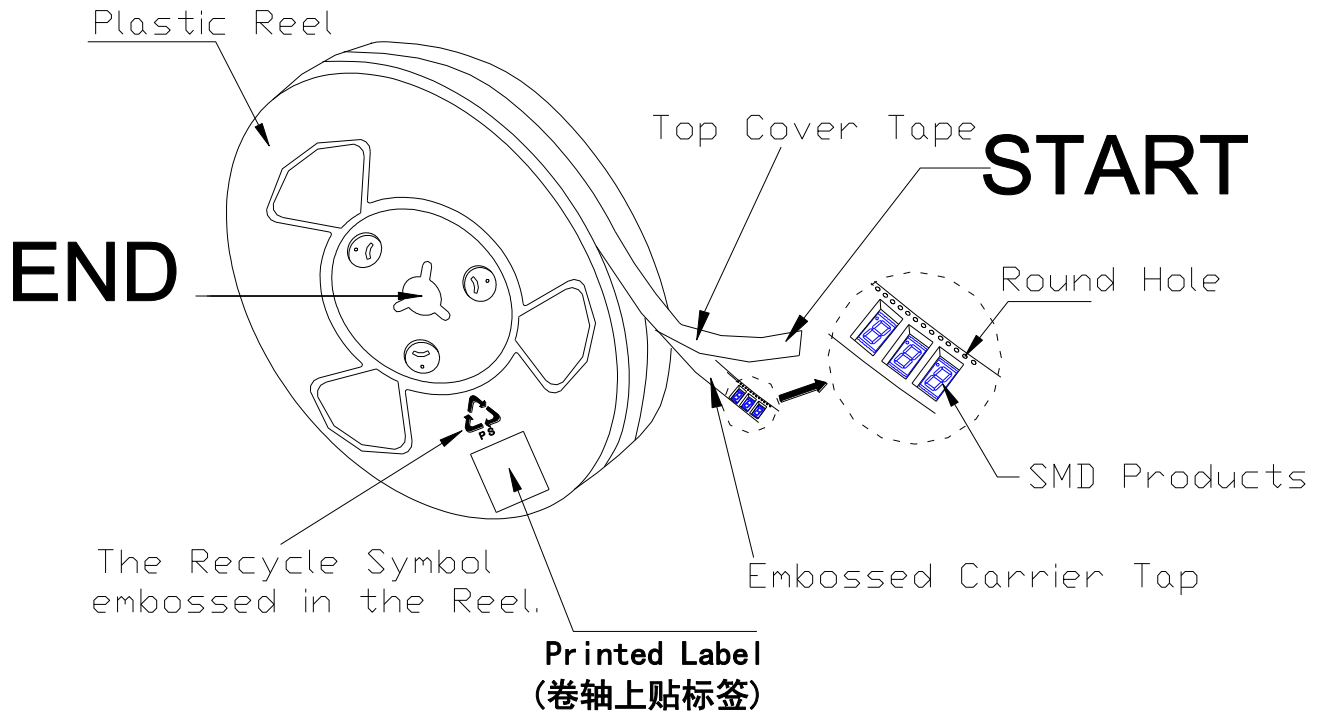
■ **Pb, Cd, Hg, Cr+6, PBBs, PBDEs 6 Substances Complies To RoHS Standard.**

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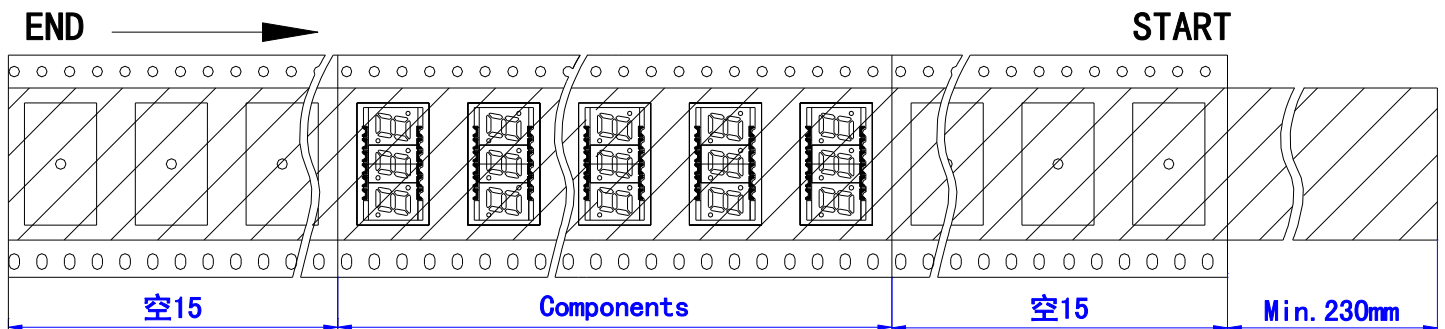
■ The Products In The Reel Of Direction:



Label Direction & Content In The Roll:



■ USER FEED DIRECTION



- 1.Total unit per reel is 500PCS.
- 2.Max 5 reels/2500PCS are packaged in each carton