

**LED DISPLAY
LTD-5260Y**

LED DISPLAY

LTD-5260Y

<u>Rev</u>	<u>Description</u>	<u>By</u>	<u>Date</u>
01	Preliminary SPEC	Tina Chen	04/04/2000
Above data for PD and Customer tracking only			
-	NPPR Received and Upload to system	Tina Chen	05/04/2000
A	- Correct hue range on page 5 - Update Operating/Storage Temperature Range from -35°C to +85°C become to -35°C to +105°C	Phanomkorn	01/23/2014
B	-Change unit of Average Luminous Intensity Per Segment from mcd to ucd	Phanomkorn	06/04/2014

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1. Description

The LTD-5260Y is a 0.52inch (13.2mm) digit height dual digit seven-segment display. The device utilizes yellow LED chips, which are made from GaAsP on a transparent GaP substrate, and has a gray face and white segments.

1.1 Features

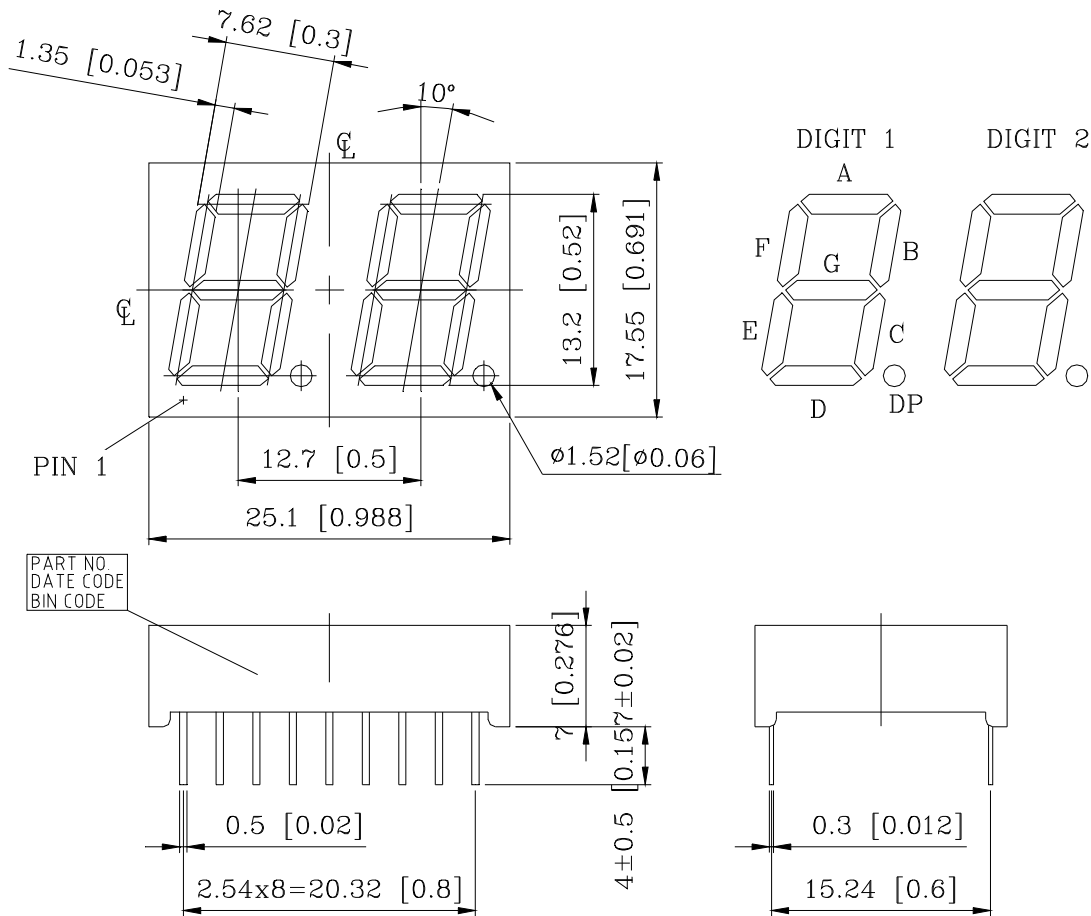
- 0.52INCH (13.2mm) DIGIT HEIGHT
- CONTINUOUS UNIFORM SEGMENTS
- LOW POWER REQUIREMENT
- EXCELLENT CHARACTERS APPEARANCE
- HIGH BRIGHTNESS & HIGH CONTRAST
- WIDE VIEWING ANGLE
- SOLID STATE RELIABILITY
- CATEGORIZED FOR LUMINOUS INTENSITY
- **LEAD-FREE PACKAGE (ACCORDING TO ROHS)**

1.2 Device

Part No	Description
YELLOW	COMMON CATHODE RT. HAND DECIMAL
LTD-5260Y	

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2. Package Dimensions

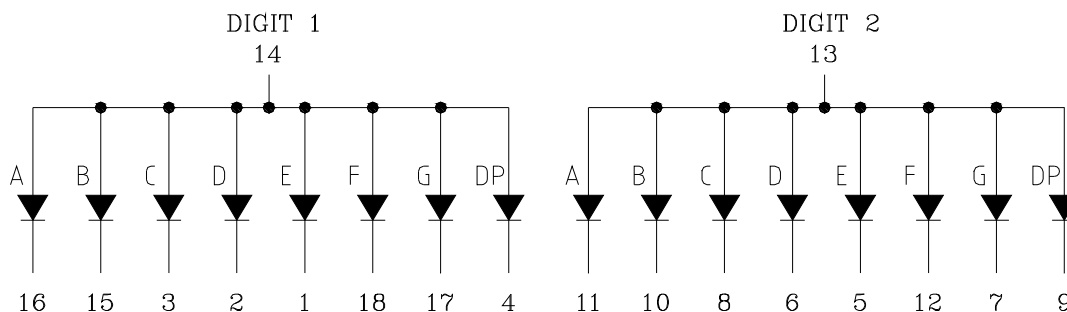


Notes :

1. All dimensions are in millimeters. Tolerances are ± 0.25 mm (0.01") unless otherwise noted
2. Pin tip's shift tolerance is ± 0.4 mm
3. Foreign material on segment ≤ 10 mil
4. Bending $\leq 1\%$ of reflector length
5. Bubble in segment ≤ 10 mil
6. Ink contamination on surface ≤ 20 mil

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3. Internal Circuit Diagram



4. Pin Connection

No	Connection
1	CATHODE E (DIGIT 1)
2	CATHODE D (DIGIT 1)
3	CATHODE C (DIGIT 1)
4	CATHODE DP (DIGIT 1)
5	CATHODE E (DIGIT 2)
6	CATHODE D (DIGIT 2)
7	CATHODE G (DIGIT 2)
8	CATHODE C (DIGIT 2)
9	CATHODE DP (DIGIT 2)
10	CATHODE B (DIGIT 2)
11	CATHODE A (DIGIT 2)
12	CATHODE F (DIGIT 2)
13	COMMON ANODE (DIGIT 2)
14	COMMON ANODE (DIGIT 1)
15	CATHODE B (DIGIT 1)
16	CATHODE A (DIGIT 1)
17	CATHODE G (DIGIT 1)
18	CATHODE F (DIGIT 1)

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5. Rating and Characteristics

5.1. Absolute Maximum Rating at Ta=25°C

Parameter	Maximum Rating	Unit
Power Dissipation Per Segment	60	mW
Peak Forward Current Per Segment (1/10 Duty Cycle, 0.1ms Pulse Width)	80	mA
Continuous Forward Current Per Segment	20	mA
Derating Linear From 25°C Per Segment	0.22	mA/°C
Operating Temperature Range	-35°C to +105°C	
Storage Temperature Range	-35°C to +105°C	
Solder Condition: 1/16 inch below seating plane for 3 seconds at 260°C or temperature of unit (during assembly) not over max. temperature rating above		

5.2. Electrical / Optical Characteristics at Ta=25°C

Parameter	Symbol	MIN.	TYP.	MAX.	Unit	Test Condition
Average Luminous Intensity Per Segment	IV	800	2200		ucd	IF=10mA
Peak Emission Wavelength	λ_p		585		nm	IF=20mA
Spectral Line Half-Width	$\Delta\lambda$		35		nm	IF=20mA
Dominant Wavelength	λ_d		588		nm	IF=20mA
Forward Voltage Per Chip	VF		2.1	2.6	V	IF=20mA
Reverse Current Per Segment ^(*)	IR			100	μA	VR=5V
Luminous Intensity Matching Ratio (Similar Light Area)	IV-m			2:1		IF=10mA

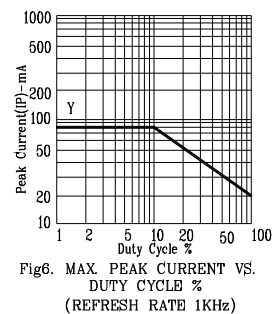
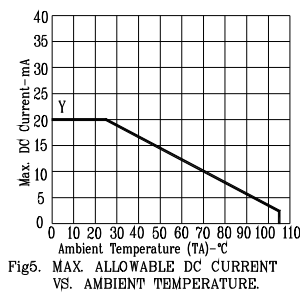
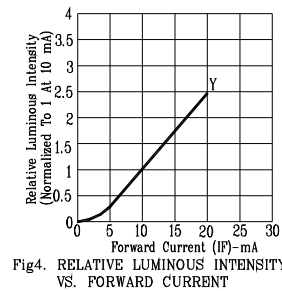
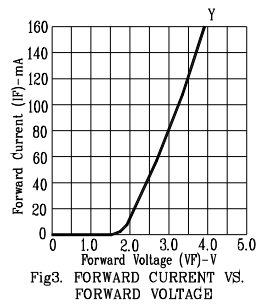
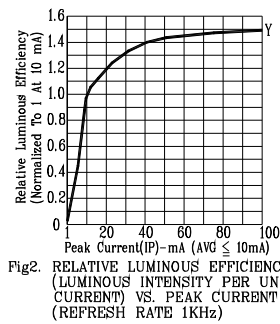
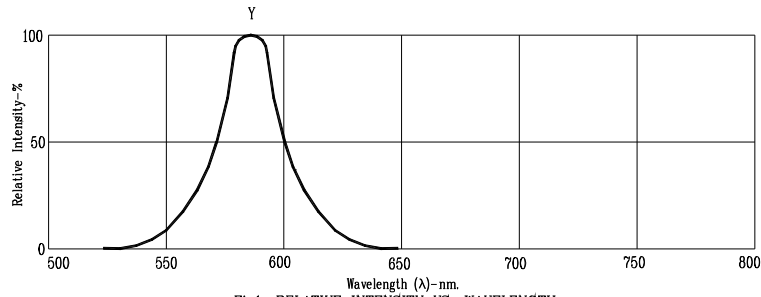
Notes :

- Luminous intensity is measured with a light sensor and filter combination that approximates the CIE (Commission International De L'Eclairage) eye-response curve
- Crosstalk specification $\leq 1\%$
- Reverse voltage is only for IR test. It cannot continue to operate at this situation

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5.3. Typical Electrical / Optical Characteristics Curves

(25°C Ambient Temperature Unless Otherwise Noted)



NOTE : Y= YELLOW