Property of Lite-On Only

FEATURES

- *0.56 inch (14.22 mm) 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

DESCRIPTION

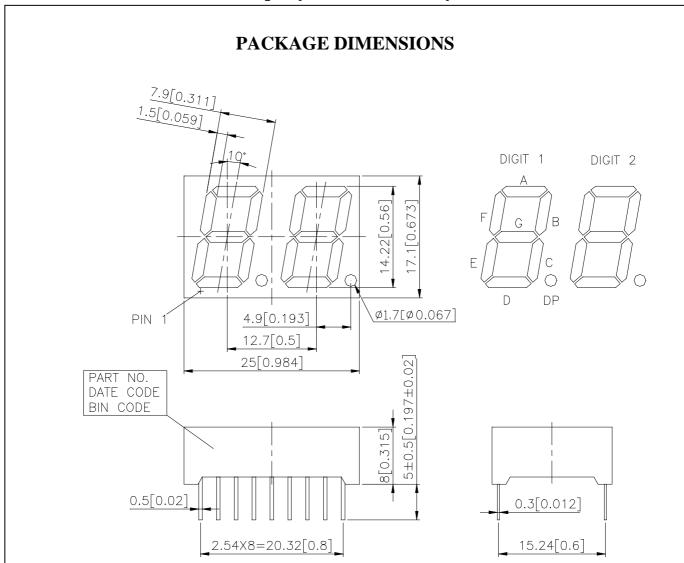
The LTD-5521AE is a 0.56 inch (14.22 mm) digit height dual digit seven-segment display. The device utilizes red orange chips, which are made from GaAsP on a transparent GaP substrate, and has a gray face and white segments.

DEVICE

PART NO	DESCRIPTION				
Red Orange	COMMON ANODE				
LTD-5521AE	RT. HAND DECIMAL				

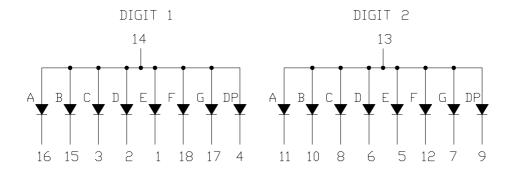
PART NO.: LTD-5521AE PAGE: 1 of 5

Property of Lite-On Only



NOTES: All dimensions are in millimeters. Tolerances are ± 0.25 mm unless otherwise noted.

INTERNAL CIRCUIT DIAGRAM



PART NO.: LTD-5521AE PAGE: 2 of 5

Property of Lite-On Only

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)					

PART NO.: LTD-5521AE PAGE: 3 of 5

Property of Lite-On Only

ABSOLUTE MAXIMUM RATING AT T_A=25℃

PARAMETER	MAXIMUM RATING	UNIT			
Power Dissipation Per Chip	75	mW			
Peak Forward Current Per Chip (1/10 Duty Cycle, 0.1ms Pulse Width)	100	mA			
Continuous Forward Current Per Chip	25	mA			
Derating Linear From 25 [°] C Per Chip	0.33	mA/°C			
Reverse Voltage Per Chip	5	V			
Operating Temperature Range	-35°C to +85°C				
Storage Temperature Range	-35°C to +85°C				
Solder Temperature: max 260°C for max 3sec at 1.6mm below seating plane					

TRICAL / OPTICAL CHARACTERISTICS AT T_A=25°C

PARAMETER	SYMBOL	MIN.	TYP.	MAX.	UNIT	TEST CONDITION
Average Luminous Intensity	Iv	800	2400		μcd	I _F =10mA
Peak Emission Wavelength	λр		630		nm	I _F =20mA
Spectral Line Half-Width	Δλ		40		nm	I _F =20mA
Dominant Wavelength	λd		621		nm	I _F =20mA
Forward Voltage Per Chip	VF		2	2.6	V	I _F =20mA
Reverse Current Per Chip	Ir			100	μΑ	V _R =5V
Luminous Intensity Matching Ratio	Iv-m			2:1	-	I _F =10mA

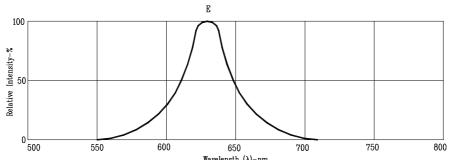
Note: Luminous intensity is measured with a light sensor and filter combination that approximates the CIE (Commision Internationale De L'Eclairage) eye-response curve.

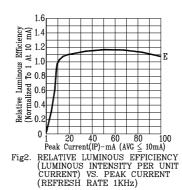
PART NO.: LTD-5521AE PAGE: 4 of 5

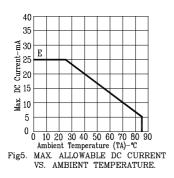
Property of Lite-On Only

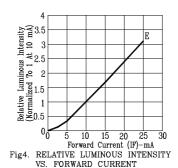
TYPICAL ELECTRICAL / OPTICAL CHARACTERISTIC CURVES

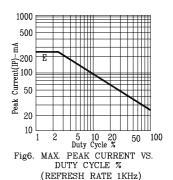
(25°C Ambient Temperature Unless Otherwise Noted)











NOTE: E=RED ORANGE

PART NO.: LTD-5521AE PAGE: 5 of 5

Mouser Electronics

Authorized Distributor

Click to View Pricing, Inventory, Delivery & Lifecycle Information:

Lite-On: