imall

Chipsmall Limited consists of a professional team with an average of over 10 year of expertise in the distribution of electronic components. Based in Hongkong, we have already established firm and mutual-benefit business relationships with customers from, Europe, America and south Asia, supplying obsolete and hard-to-find components to meet their specific needs.

With the principle of "Quality Parts, Customers Priority, Honest Operation, and Considerate Service", our business mainly focus on the distribution of electronic components. Line cards we deal with include Microchip, ALPS, ROHM, Xilinx, Pulse, ON, Everlight and Freescale. Main products comprise IC, Modules, Potentiometer, IC Socket, Relay, Connector. Our parts cover such applications as commercial, industrial, and automotives areas.

We are looking forward to setting up business relationship with you and hope to provide you with the best service and solution. Let us make a better world for our industry!



Contact us

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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.
- \Box WIDE VIEWING ANGLE.
- \Box SOLID STATE RELIABILITY.
- □ CATEGORIZED FOR LUMINOUS INTENSITY.

DESCRIPTION

The LTS-5501AB is a 0.56 inch (14.22 mm) digit height single digit display. This device utilizes blue LED chips which are made from GaN on a SiC substrate, and has a gray face and white segments.

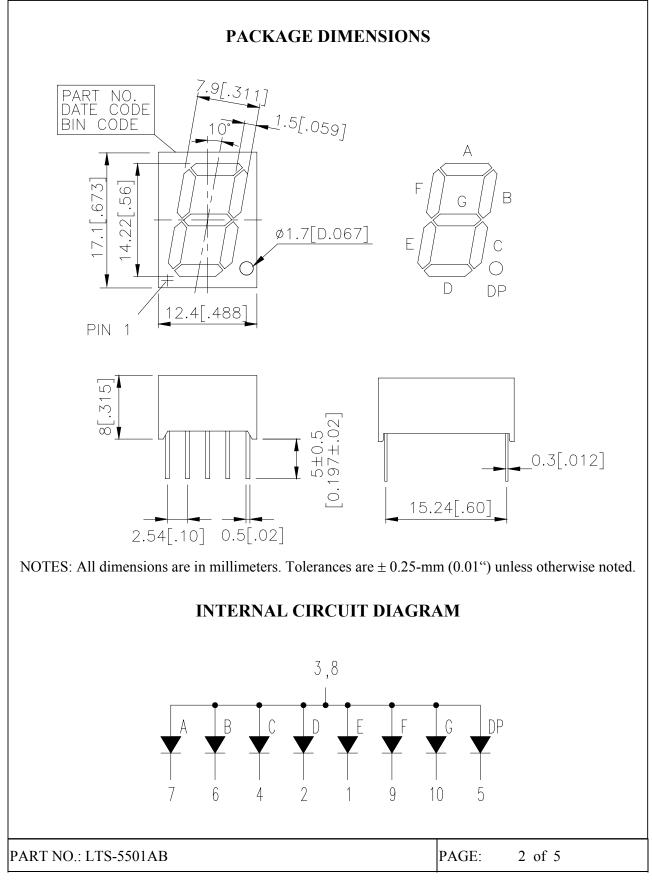
DEVICE

PART NO.	DESCRIPTION
BLUE	COMMON ANODE
LTS-5501AB	RT. HAND DECIMAL



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BNS-OD-C131/A4



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PIN CONNECTION

No.	CONNECTION
1	CATHODE E
2	CATHODE D
3	COMMON ANODE
4	CATHODE C
5	CATHODE D.P.
6	CATHODE B
7	CATHODE A
8	COMMON ANODE
9	CATHODE F
10	CATHODE G

PART NO.: LTS-5501AB



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ABSOLUTE MAXIMUM RATING AT Ta=25°C

PARAMETER	MAXIMUM RATING	UNIT		
Power Dissipation Per Segment	115	mW		
Peak Forward Current Per Segment (1/10 Duty Cycle, 0.1ms Pulse Width)	60	mA		
Continuous Forward Current Per Segment	25	mA		
Derating Linear From 25 ^o C Per Segment	0.33	mA/ ⁰ C		
Reverse Voltage Per Segment	5	V		
Operating Temperature Range $-35^{\circ}C$ to $+85^{\circ}C$				
Storage Temperature Range $-35^{\circ}C$ to $+85^{\circ}C$				
Solder Temperature 1/16 inch Below Seating Plane for 3 Seconds at 260 ⁰ C				

ELECTRICAL / OPTICAL CHARACTERISTICS AT Ta=25°C

PARAMETER	SYMBOL	MIN.	TYP.	MAX.	UNIT	TEST CONDITION
Average Luminous Intensity	Iv	1300	4300		μcd	IF=10mA
Peak Emission Wavelength	λp		428		nm	I _F =20mA
Spectral Line Half-Width	Δλ		65		nm	IF=20mA
Dominant Wavelength	λd		466		nm	IF=20mA
Forward Voltage Per Segment	VF		3.8	4.5	V	IF=20mA
Reverse Current Per Segment	Ir			100	μA	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.

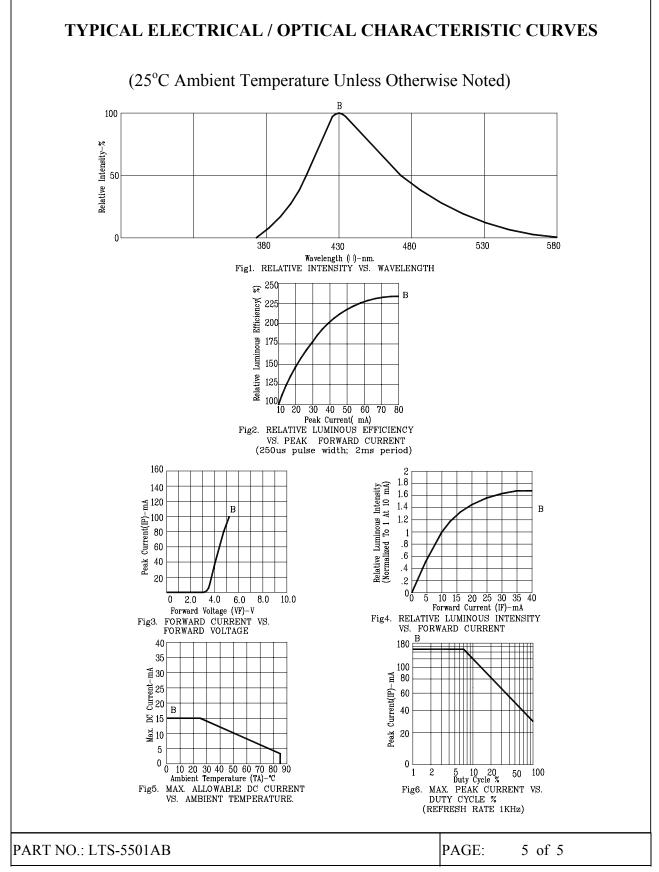
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