



Spec No.: DS30-2001-094 Effective Date: 05/16/2001

Revision: -

LITE-ON DCC

RELEASE

BNS-OD-FC001/A4

LITEON

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FEATURES

- *0.4 inch (10.0-mm) DIGIT HEIGHT.
- *CONTINUOUS UNIFORM SEGMENTS.
- *LOW POWER REQUIREMENTS.
- *EXCELLENT CHARACTERS AND APPEARANCE.
- *HIGH CONTRAST.
- *HIGH BRIGHTNESS.
- * WIDE VIEWING ANGLE.
- * SOLID STATE RELIABILITY.
- *COMMON ANODE OR COMMON CATHODE MODELS.
- *CATEGORIZED FOR LUMINOUS INTENSITY.
- *EASY MOUNTING ON P.C. BOARD.

DESCRIPTION

The LTP-4323JD is a 0.4 inch (10.0 mm) digit height 16-segment dual alphanumeric display. This device utilizes AlInGaP Hyper red LED chips, which are made from AlInGaP on a non-transparent GaAs substrate, and has a gray face and white segments.

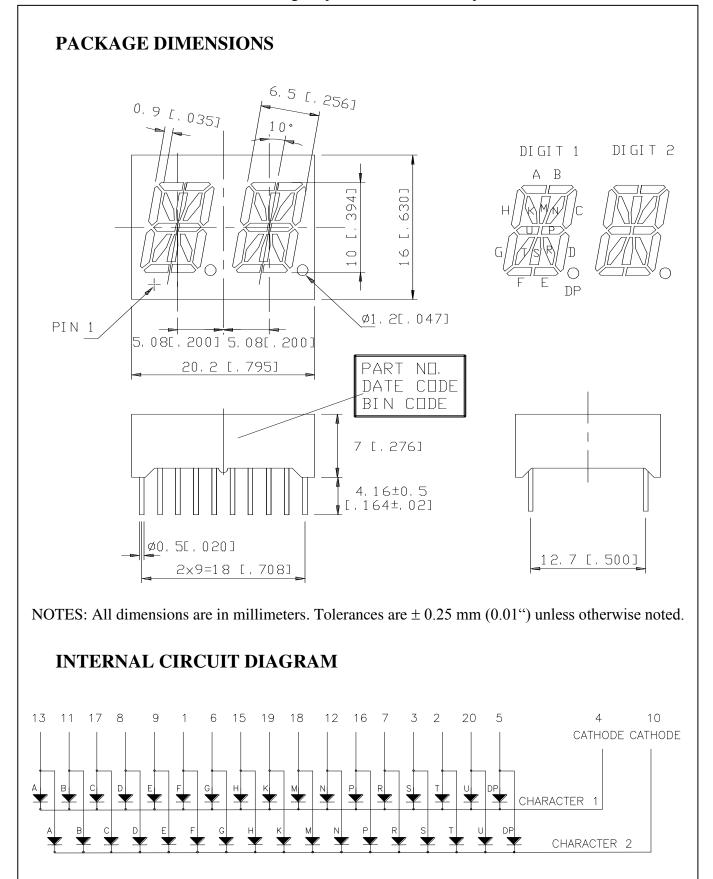
DEVICE

PART NO.	DESCRIPTION		
AlInGaP Hyper red	DUPLEX COMMON CATHODE		
LTP-4323JD	RT. HAND DECIMAL		

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PART NO.: LTP-4323JD



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PIN CONNECTION

No.	CONNECTION				
1	ANODE F				
2	ANODE T				
3	ANODE S				
4	COMMON CATHODE CHARACTER 1				
5	ANODE DP				
6	ANODE G				
7	ANODE R				
8	ANODE D				
9	ANODE E				
10	COMMON CATHODE CHARACTER 2				
11	ANODE B				
12	ANODE N				
13	ANODE A				
14	NO CONNECTION				
15	ANODE H				
16	ANODE P				
17	ANODE C				
18	ANODE M				
19	ANODE K				
20	ANODE U				

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ABSOLUTE MAXIMUM RATING AT Ta=25°C

PARAMETER	MAXIMUM RATING	UNIT			
Average Power Dissipation Per Segment	70	mW			
Peak Forward Current Per Segment	90	mA			
Average Forward Current Per Segment	25	mA			
Derating Linear From 25°C Per Segment	0.33	mA/°C			
Reverse Voltage Per Segment	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[1/16inch] below seating plane.					

ELECTRICAL / OPTICAL CHARACTERISTICS AT Ta=25°C

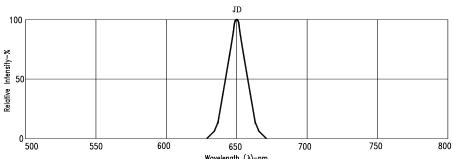
PARAMETER	SYMBOL	MIN.	TYP.	MAX.	UNIT	TEST CONDITION
Average Luminous Intensity	Iv	200	650		μcd	I _F =1mA
Peak Emission Wavelength	λр		650		nm	I _F =20mA
Spectral Line Half-Width	Δλ		20		nm	I _F =20mA
Dominant Wavelength	λd		639		nm	I _F =20mA
Forward Voltage Per Segment	VF		2.1	2.6	V	I _F =20mA
Reverse Current Per Segment	Ir			100	μΑ	V _R =5V
Luminous Intensity Matching Ratio	Iv-m			2:1		I _F =1mA

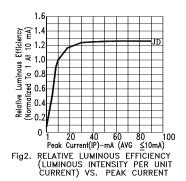
Note: Luminous intensity is measured with a light sensor and filter combination that approximates the CIE (Commision Internationale De L'Eclairage) eye-response curve.

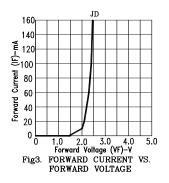
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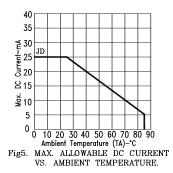
TYPICAL ELECTRICAL / OPTICAL CHARACTERISTIC CURVES

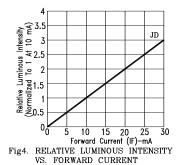
(25°C Ambient Temperature Unless Otherwise Noted)











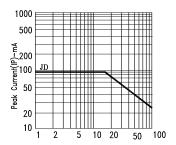


Fig6. MAX. PEAK CURRENT VS. DUTY CYCLE % (REFRESH RATE 1KHz)

NOTE : JD=AlInGaP HYPER RED

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