

Revision: -



BNS-OD-FC001/A4

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#### Property of Lite-On Only

#### **FEATURES**

\* 0.3 inch (7.62 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-322JS is a 0.3 inch (7.62 mm) digit height display. This device utilizes AlInGaP Yellow LED chips, which are made from AlInGaP on a non-transparent GaAs substrate, and has a black face and white segments.

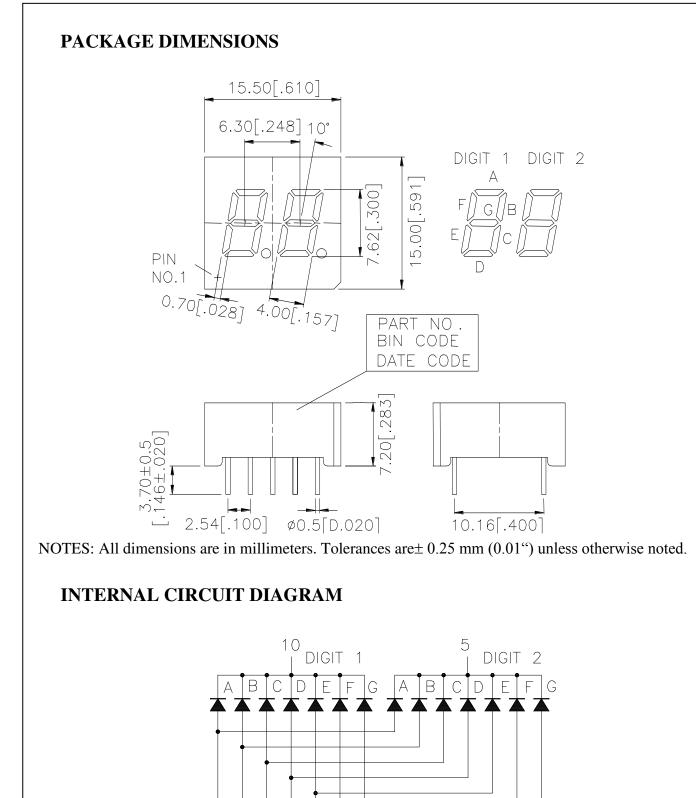
#### DEVICE

PART NO.	DESCRIPTION
AlInGaP Yellow	
LTD-322JS	Duplex Common Cathode

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#### **PIN CONNECTION**

No	CONNECTION
1	ANODE G
2	NO PIN
3	ANODE A
4	ANODE F
5	COMMON CATHODE (DIGIT 2)
6	ANODE D
7	ANODE E
8	ANODE C
9	ANODE B
10	COMMON CATHODE (DIGIT 1)

PART NO.: LTD-322JS

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#### ABSOLUTE MAXIMUM RATING AT Ta=25°C

PARAMETER	MAXIMUM RATING	UNIT		
Power Dissipation Per Segment	70	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°C Per Segment	0.33	mA/°℃		
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: max $260^{\circ}$ C for max 3sec at 1.6mm below seating plane.				

### ELECTRICAL / OPTICAL CHARACTERISTICS AT Ta=25°C

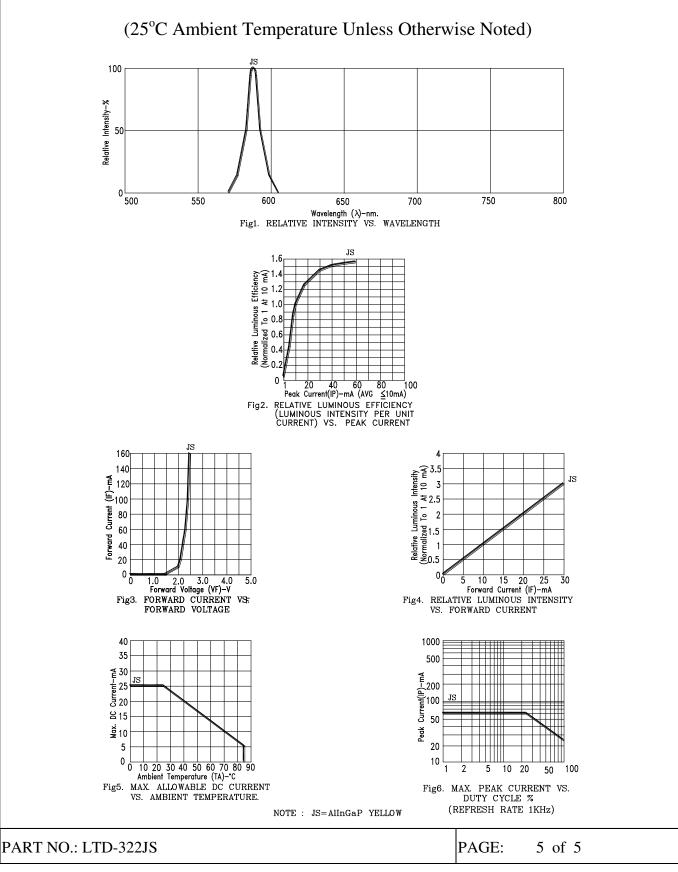
PARAMETER	SYMBOL	MIN.	TYP.	MAX.	UNIT	TEST CONDITION
Average Luminous Intensity	Iv	320	800		μcd	IF=1mA
Peak Emission Wavelength	λp		588		nm	IF=20mA
Spectral Line Half-Width	Δλ		15		nm	IF=20mA
Dominant Wavelength	λd		587		nm	IF=20mA
Forward Voltage Per Segment	VF		2.05	2.6	V	IF=20mA
Reverse Current Per Segment	Ir			100	μΑ	V <sub>R</sub> =5V
Luminous Intensity Matching Ratio	Iv-m			2:1		IF=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.

## LITEON

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#### **TYPICAL ELECTRICAL / OPTICAL CHARACTERISTIC CURVES**



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