



Spec No.: DS30-2001-385 Effective Date: 11/17/2001 Revision: -



BNS-OD-FC001/A4

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### **LITEON** LITE-ON ELECTRONICS, INC.

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#### **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 LTS-5601AJG is a 0.56 inch (14.22 mm) digit height single digit seven-segment display. This device utilizes AlInGaP green LED chips, which are made from AlInGaP on a non-transparent GaAs substrate, and has a gray face and green segments.

#### DEVICE

PART NO.	DESCRIPTION		
AlInGaP Green	Common Anode Rt. Hand Decimal		
LTS-5601AJG			

PART NO.: LTS-5601AJG

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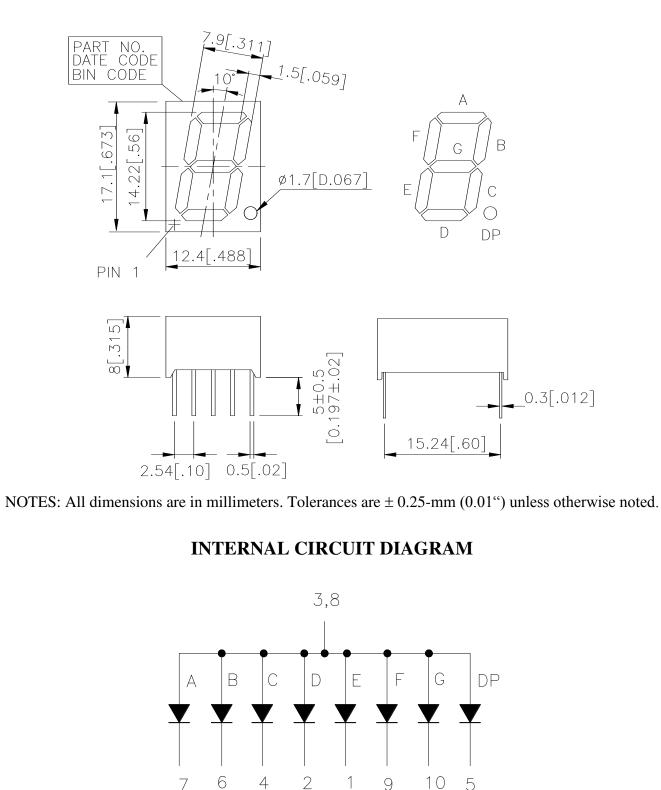
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#### **PACKAGE DIMENSIONS**



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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-5601AJG

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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 <sup>0</sup> C Per Segment	0.33	mA/ <sup>0</sup> C			
Reverse Voltage Per Segment	5	V			
Operating Temperature Range	$-35^{\circ}$ C to $+85^{\circ}$ C				
Storage Temperature Range	age Temperature Range $-35^{\circ}$ C to $+85^{\circ}$ C				
Solder Temperature 1/16 inch Below Seating Plane for 3 Seconds at 260 <sup>o</sup> C					

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

PARAMETER	SYMBOL	MIN.	TYP.	MAX.	UNIT	TEST CONDITION
Average Luminous Intensity	Iv	320	900		μcd	IF=1mA
Peak Emission Wavelength	λp		571		nm	IF=20mA
Spectral Line Half-Width	Δλ		15		nm	IF=20mA
Dominant Wavelength	λd		572		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

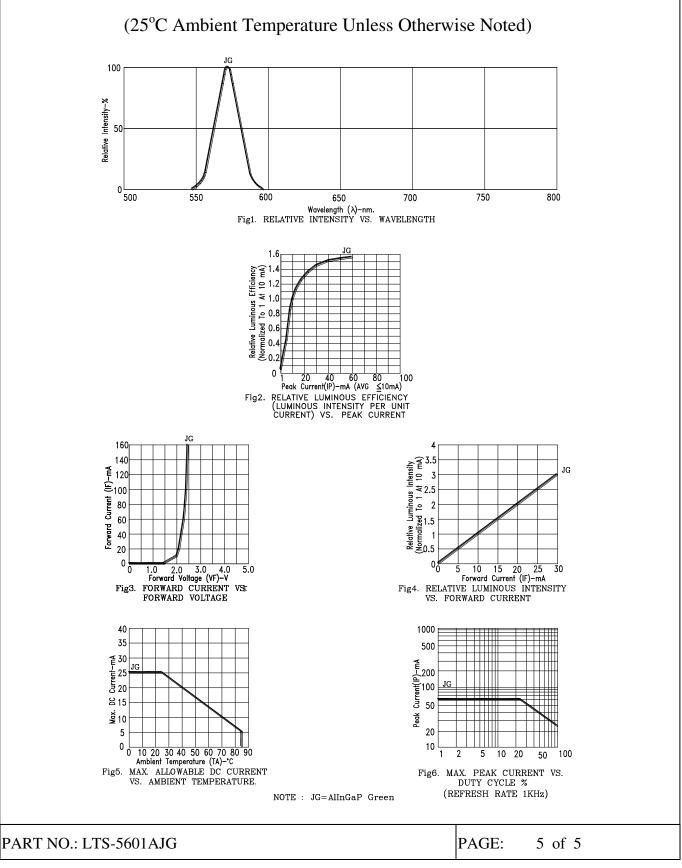
Note: Luminous intensity is measured with a light sensor and filter combination that approximates the CIE (Commision Internationale De L'Eclariage) eye-response curve.

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



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