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BNS-OD-FC001/A4

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# LITEON

#### **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-5021AJD is a 0.56 inch (14.22 mm) height digit display. The AlInGaP Hyper Red devices utilize LED chips which are made from AlInGaP on a non-transparent GaAs substrate, and has a light gray face and white segments.

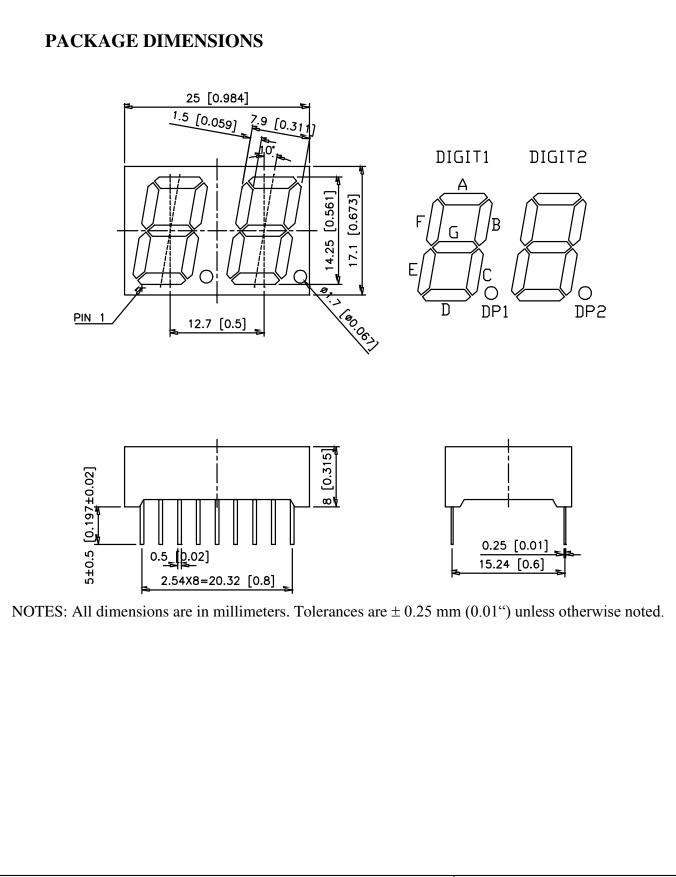
#### DEVICE

PART NO.	DESCRIPTION		
AlInGaP Hyper Red	Common Anode		
LTD-5021AJD	RT.HAND DECIMAL		

PART NO.: LTD-5021AJD



### LITE-ON TECHNOLOGY CORPORATION Property of Lite-On Only



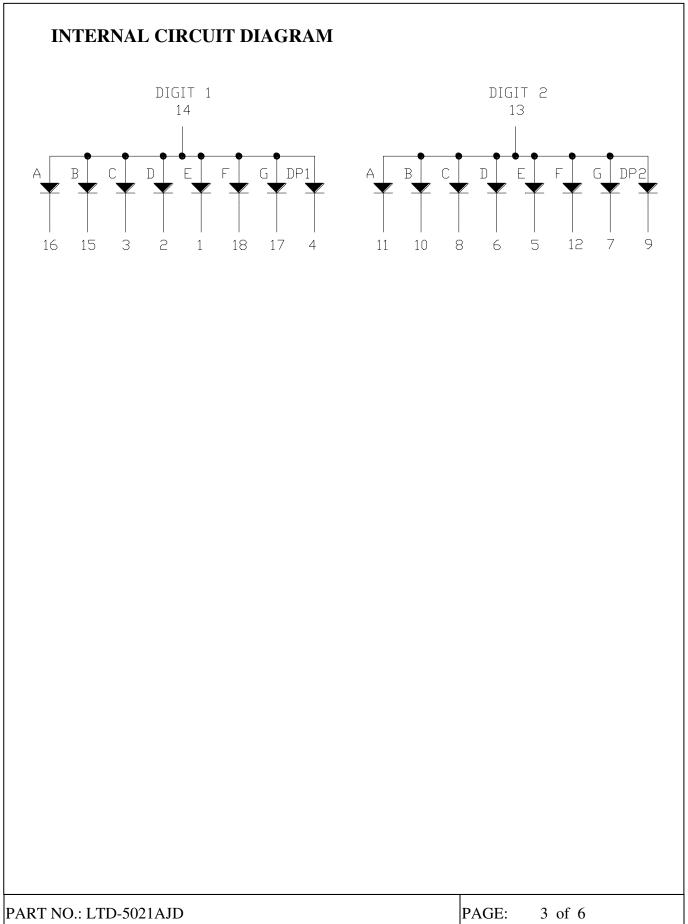
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# LITE-ON TECHNOLOGY CORPORATION

Property of Lite-On Only





## **LITEON** LITE-ON TECHNOLOGY CORPORATION 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)					

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### LITE-ON TECHNOLOGY CORPORATION Property of Lite-On Only

#### 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)	90	mA		
Continuous 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	$-35^{\circ}$ C to $+85^{\circ}$ C			
Storage Temperature Range	$-35^{\circ}$ C to $+85^{\circ}$ 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	320	700		μcd	IF=1mA
Peak Emission Wavelength	λp		650		nm	IF=20mA
Spectral Line Half-Width	Δλ		20		nm	IF=20mA
Dominant Wavelength	λd		639		nm	IF=20mA
			2.1	2.6		IF=20mA
Reverse Current Per Segment	Ir			10	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.

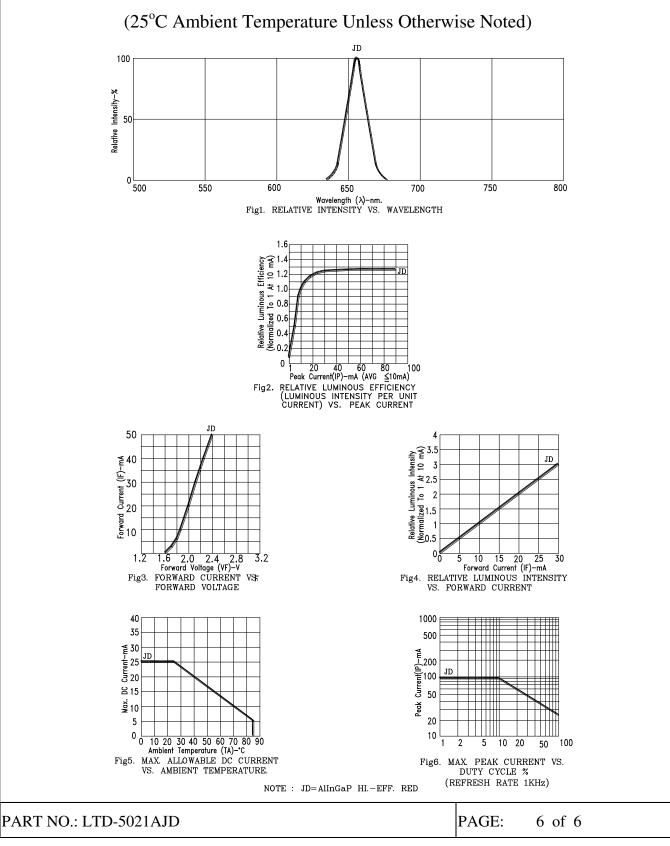
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### LITE-ON TECHNOLOGY CORPORATION Property of Lite-On Only

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



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