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BNS-OD-FC001/A4

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FEATURES

* 0.4-INCH (10.0-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.
* LOW POWER REQUIRMENT.

DESCRIPTION

The LTD-4608JG is a 0.4-inch (10-mm) digit height dual digit low current 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 white segments.

DEVICE

PART NO.	DESCRIPTION		
AlInGaP Green	Dualplex Common Anode		
LTD-4608JG	Rt. Hand Decimal		

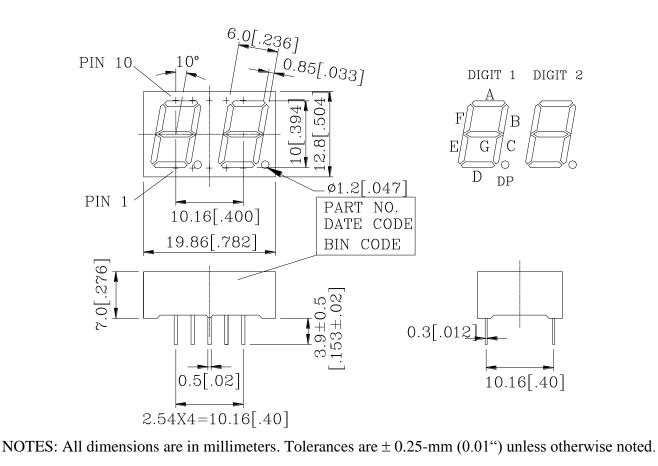
PART NO.: LTD-4608JG	PAGE:	1 of 5

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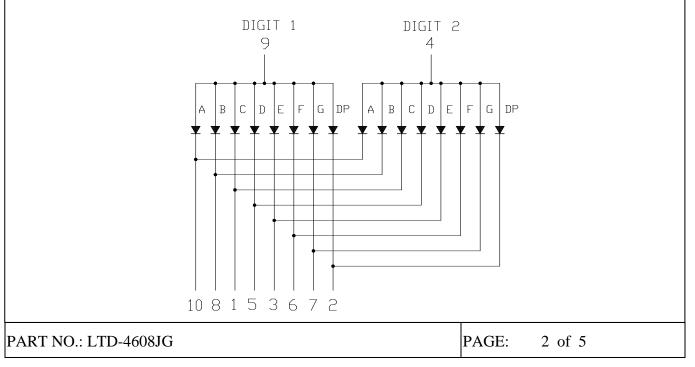
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PACKAGE DIMENSIONS



INTERNAL CIRCUIT DIAGRAM





PIN CONNECTION

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

PART NO.: LTD-4608JG

ABSOLUTE MAXIMUM RATING AT Ta=25°C

PARAMETER	MAXIMUM RATING	UNIT			
Power Dissipation Per Segment	70	mW			
Peak Forward Current Per Segment	<i>c</i> 0				
(1/10 Duty Cycle, 0.1ms Pulse Width)	60	mA			
Continuous Forward Current Per Segment	25	mA			
Derating Linear From 25 ⁰ C Per Segment	0.33	mA/ ⁰ C			
Reverse Voltage Per Segment	5	V			
Operating Temperature Range	-35° C to $+85^{\circ}$ C				
Storage Temperature Range	-35° 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	320	850		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 _R =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.

PART NO.: LTD-4608JG	PAGE:	4 of 5
FART NO., LTD-4000JO	FAUE.	4 01 5

TYPICAL ELECTRICAL / OPTICAL CHARACTERISTIC CURVES

