LITEON

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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-4708B is a 0.4-inch (10-mm) digit height dual digit seven-segment display. This device utilizes blue LED chips, which are made from GaN on a SiC substrate, and has a gray face and white segments.

DEVICE

PART NO.	DESCRIPTION			
BLUE	Duplex Common Cathode			
LTD-4708B	Rt. Hand Decimal			

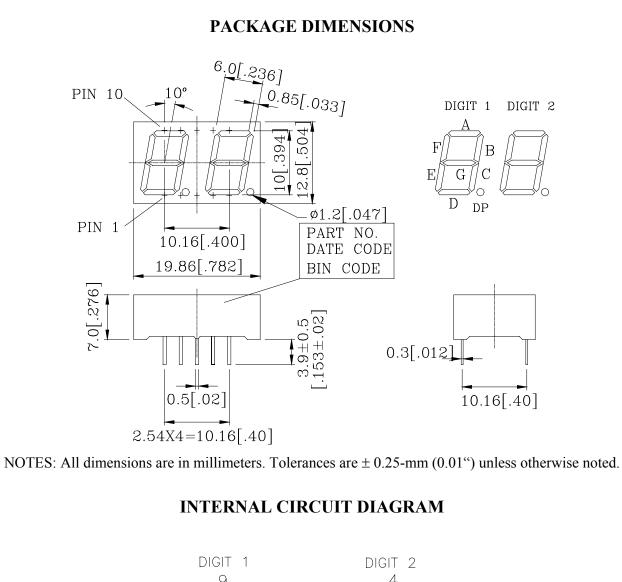
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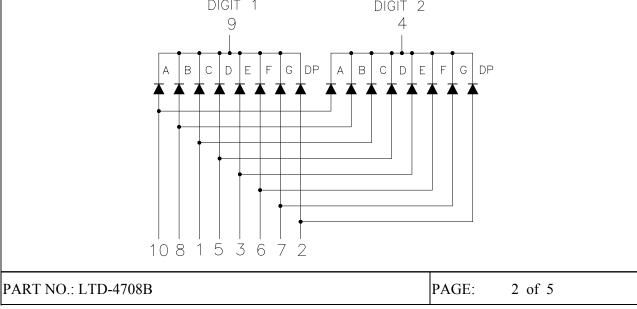
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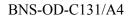


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PIN CONNECTION

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

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ABSOLUTE MAXIMUM RATING AT Ta=25°C

PARAMETER	MAXIMUM RATING	UNIT		
Power Dissipation Per Segment	115	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 ^o C Per Segment	0.33	mA/ ⁰ C		
Reverse Voltage Per Segment	5	V		
Operating Temperature Range $-35^{\circ}C$ to $+85^{\circ}C$				
Storage Temperature Range -35 ^o C to +85 ^o C				
Solder Temperature 1/16 inch Below Seating Plane for 3 Seconds at 260°C				

ELECTRICAL / OPTICAL CHARACTERISTICS AT Ta=25°C

PARAMETER	SYMBOL	MIN.	TYP.	MAX.	UNIT	TEST CONDITION
Average Luminous Intensity	Iv	1200	3600		μcd	IF=10mA
Peak Emission Wavelength	λp		428		nm	IF=20mA
Spectral Line Half-Width	Δλ		65		nm	IF=20mA
Dominant Wavelength	λd		466		nm	IF=20mA
Forward Voltage Per Segment	VF		3.8	4.5	V	IF=20mA
Reverse Current Per Segment	Ir			100	μA	V _R =5V
Luminous Intensity Matching Ratio	Iv-m			2:1		IF=10mA

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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