



Spec No.: DS30-2002-237 Effective Date: 09/17/2002 Revision: -



BNS-OD-FC001/A4

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FEATURES

* 0.4 inch (10.21 mm) DIGIT HEIGHT * EXCELLENT SEGMENT UNIFORMITY * LOW POWER REQUIREMENT * HIGH BRIGHTNESS AND HIGH CONTRAST * WIDE VIEWING ANGLE * SOLID STATE RELIABILITY * BINNED FOR LUMINOUS INTENSITY

DESCRIPTION

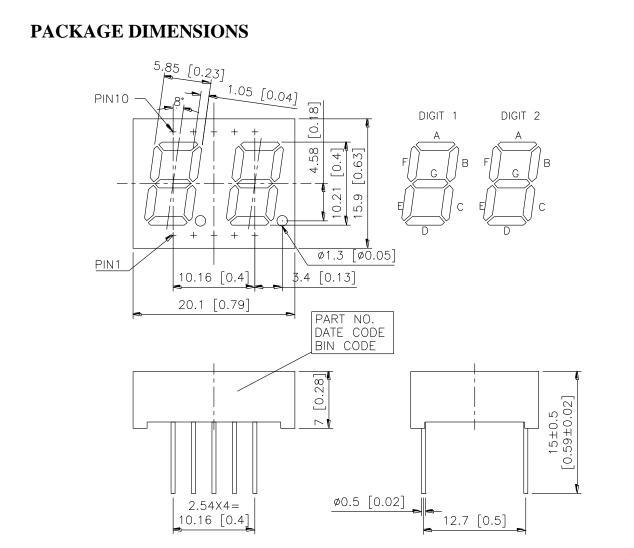
The LTD-4826G is a 0.4 inch (10.21 mm) digit height dual-digit display. This device uses GREEN LED chips (GaP epi on GaP substrate). The display has black face and white segments.

DEVICE

PART NO.	DESCRIPTION			
GREEN	Common Anode			
LTD-4826G	Rt. Hand Decimal			

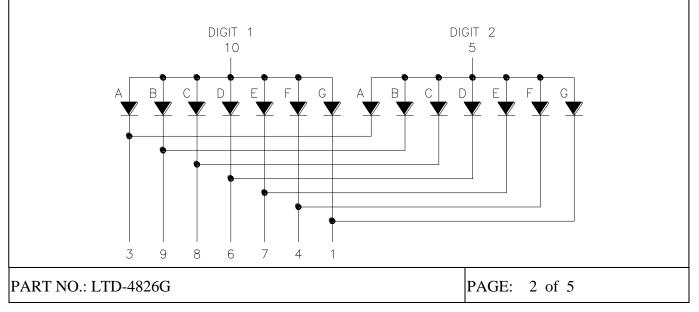
PART NO.: LTD-4826G

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NOTES: All dimensions are in millimeters. Tolerances are ± 0.25 mm (0.01") unless otherwise noted.

INTERNAL CIRCUIT DIAGRAM



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PIN CONNECTION

No	CONNECTION			
1	Cathode G			
2	No Connection			
3	Cathode A			
4	Cathode F			
5	Common Anode (Digit 2)			
6	Cathode D			
7	Cathode E			
8	Cathode C			
9	Cathode B			
10	Common Anode (Digit 1)			

PART NO.: LTD-4826G

ABSOLUTE MAXIMUM RATING

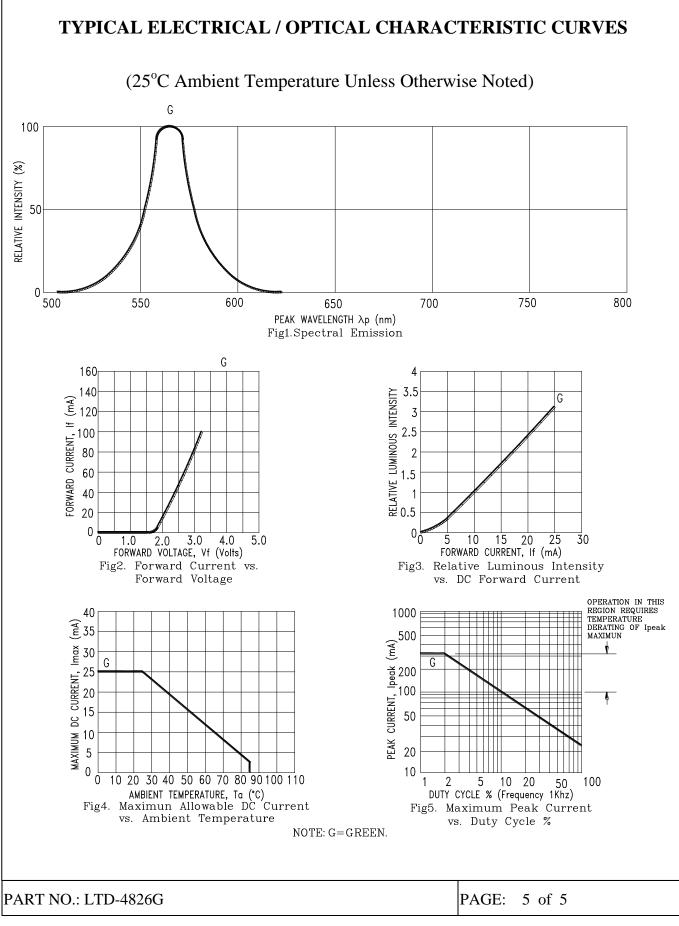
PARAMETER	MAXIMUM RATING	UNIT				
Power Dissipation Per Segment	75	mW				
Peak Forward Current Per Segment (Frequency 1Khz, 10% duty cycle)	100*	mA				
Continuous Forward Current Per Segment	25	mA				
Forward Current Derating from 25 ⁰ C	0.33	mA/ ⁰ C				
Reverse Voltage Per Segment	5	V				
Operating Temperature Range	-35° C to $+85^{\circ}$ C					
Storage Temperature Range -35° C to $+85^{\circ}$ C						
Soldering Conditions : $1/16$ inch below seating plane for 3 seconds at 260° C						

* see figure 5 to establish pulsed condition

ELECTRICAL / OPTICAL CHARACTERISTICS AT Ta=25°C

PARAMETER	SYMBOL	MIN	ТҮР	MAX	UNIT	TEST CONDITION
Average Luminous Intensity Per Segment	Iv	800	2200		μcd	$I_F = 10 mA$
Peak Emission Wavelength	λp		565		nm	$I_F = 20 m A$
Spectral Line Half-Width	Δλ		30		nm	$I_F = 20 m A$
Dominant Wavelength	λd		569		nm	$I_F = 20 mA$
Forward Voltage Per Segment	VF		2.1	2.6	V	$I_F = 20 mA$
Reverse Current Per Segment	Ir			100	μA	$V_R = 5V$
Luminous Intensity Matching Ratio	Iv-m			2:1		$I_F = 10 mA$

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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