



Spec No.: DS-30-97-335 Effective Date: 05/30/2000 Revision: -



BNS-OD-FC001/A4

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#### **FEATURES**

\* 0.4 inch (10.0-mm) DIGIT HEIGHT.
\* CONTINUOUS UNIFORM SEGMENTS.
\* LOW POWER REQUIREMENTS.
\* EXCELLENT CHARACTERS AND APPEARANCE.
\* HIGH CONTRAST.
\* HIGH BRIGHTNESS.
\* WIDE VIEWING ANGLE.
\* SOLID STATE RELIABILITY.
\* COMMON ANODE OR COMMON CATHODE MODELS.
\* CATEGORIZED FOR LUMINOUS INTENSITY.
\* EASY MOUNTING ON P.C. BOARD.

#### DESCRIPTION

The LTP-4823G is a is a 0.4 inch (10 mm) digit height dual digit seven-segment display. This device utilizes green LED chips, which are made from GaP on a transparent GaP substrate, and has a gray face and white segments.

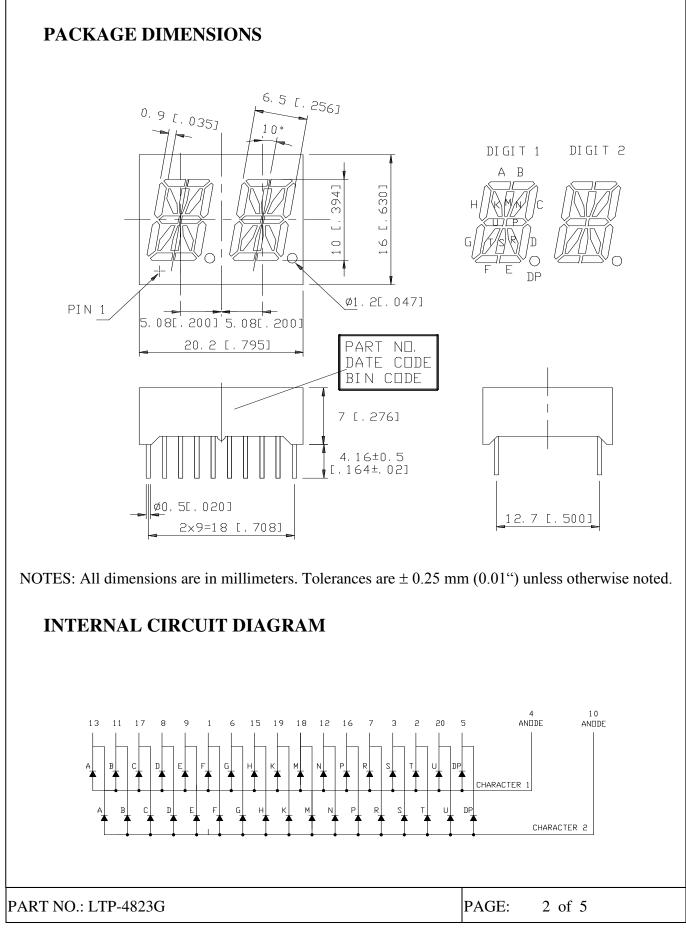
#### DEVICE

PART NO.	DESCRIPTION			
GREEN	DUPLEX COMMON ANODE			
LTP-4823G	RT. HAND DECIMAL			

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#### **PIN CONNECTION**

No.	CONNECTION				
1	CATHODE F				
2	CATHODE T				
3	CATHODE S				
4	COMMON ANODE CHARACTER 1				
5	CATHODE DP				
6	CATHODE G				
7	CATHODE R				
8	CATHODE D				
9	CATHODE E				
10	COMMON ANODE CHARACTER 2				
11	CATHODE B				
12	CATHODE N				
13	CATHODE A				
14	NO CONNECTION				
15	CATHODE H				
16	CATHODE P				
17	CATHODE C				
18	CATHODE M				
19	CATHODE K				
20	CATHODE U				

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#### ABSOLUTE MAXIMUM RATING AT Ta=25°C

PARAMETER	MAXIMUM RATING	UNIT		
Average Power Dissipation Per Segment	75	mW		
Peak Forward Current Per Segment	100	mA		
Average Forward Current Per Segment	25	mA		
Derating Linear From 25°C Per Segment	0.33	mA/°℃		
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	800	2200		μcd	Ip=10mA
Peak Emission Wavelength	λp		565		nm	IF=20mA
Spectral Line Half-Width	Δλ		30		nm	IF=20mA
Dominant Wavelength	λd		569		nm	IF=20mA
Forward Voltage Per Segment	VF		2.1	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=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.

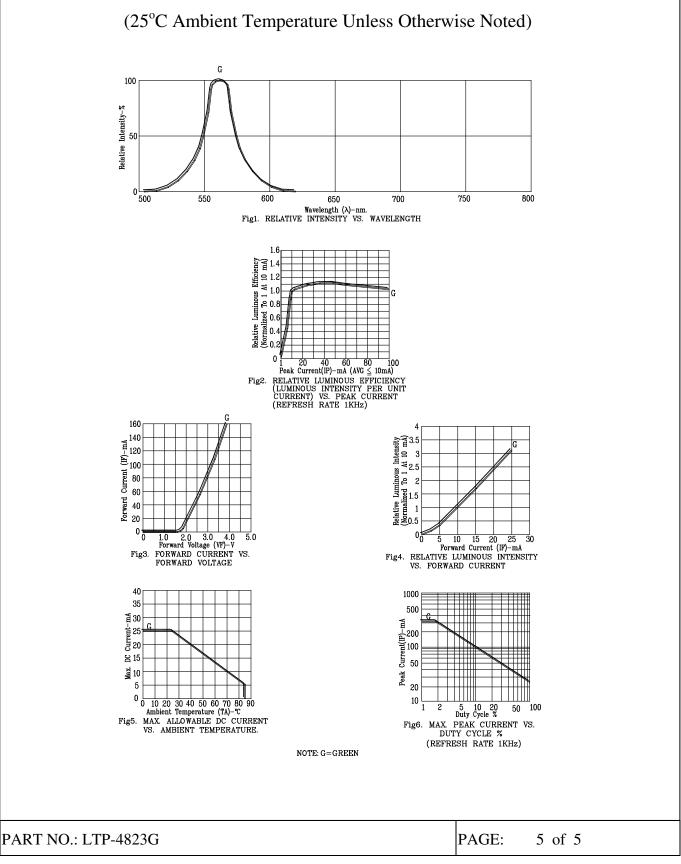
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## LITEON

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



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