



**Spec No.: DS-30-99-570** Effective Date: 04/28/2000 Revision: -



BNS-OD-FC001/A4

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#### **FEATURES**

\* 0.4 inch (10.21 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

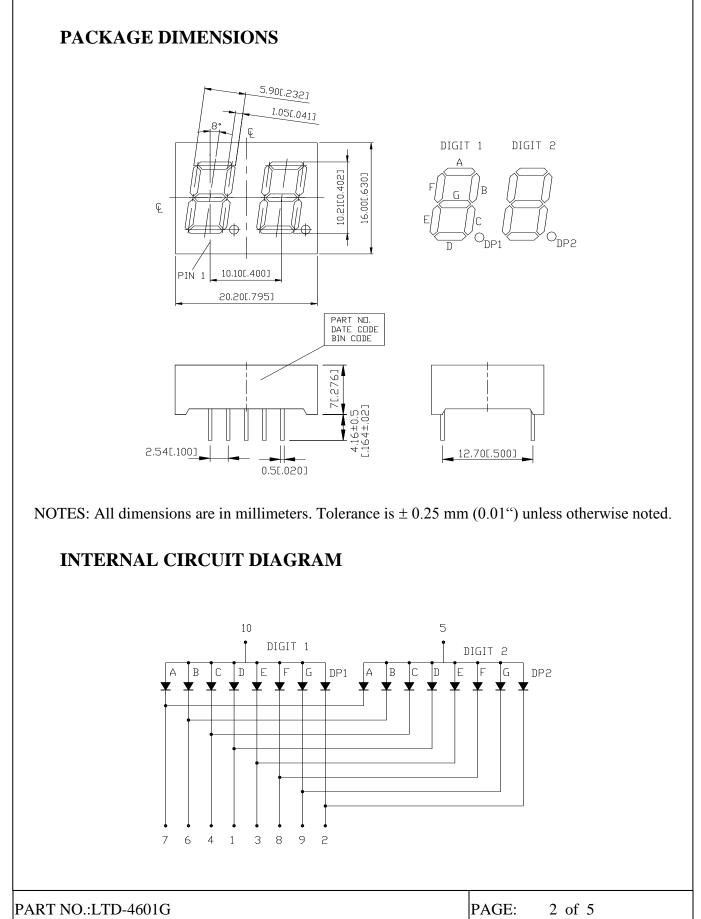
The LTD-4601G is a 0.4 inch (10.21 mm) digit height dual digit seven-segment display. This device utilizes green LED chips, which are made from GaP on a transparent GaP substrate, and has a gray face and white segments.

#### DEVICE

PART NO.	DESCRIPTION				
GREEN	Duplex Common Anode				
LTD-4601G	Rt. Hand Decimal				

PART NO.:LTD-4601G

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#### **PIN CONNECTION**

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

PART NO.:LTD-4601G

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

PARAMETER	MAXIMUM RATING	UNIT			
Power Dissipation Per Segment	75	mW			
Peak Forward Current Per Segment (1/10 Duty Cycle, 0.1ms Pulse Width)	100	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°C to +85°C				
Storage Temperature Range	$-35^{\circ}$ C to $+85^{\circ}$ C				
Solder Temperature: max $260^{\circ}$ C for max 3sec at 1.6mm below seating plane.					

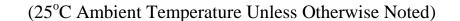
#### ELECTRICAL / OPTICAL CHARACTERISTICS AT Ta=25°C

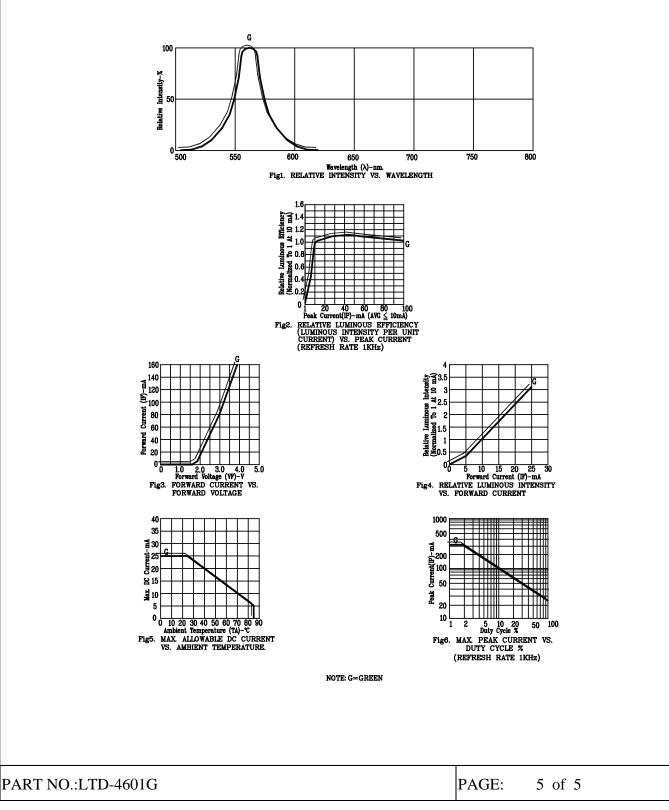
PARAMETER	SYMBOL	MIN.	TYP.	MAX.	UNIT	TEST CONDITION
Average Luminous Intensity	Iv	800	2200		μcd	IF=10mA
Peak Emission Wavelength	λp		565		nm	IF=20mA
Spectral Line Half-Width	Δλ		30		nm	IF=20mA
Dominant Wavelength	λd		569		nm	IF=20mA
Forward Voltage Per Segment	VF		2.1	2.6	V	IF=20mA
Reverse Current Per 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 (Commission internationale DE L'Eclairage) eye-response curve.

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





BNS-OD-C131/A4