



Effective Date: 10/15/2000 Revision: -



BNS-OD-FC001/A4

LITE-ON Technology Corp. / Optoelectronics No.90,Chien 1 Road, Chung Ho, New Taipei City 23585, Taiwan, R.O.C. Tel: 886-2-2222-6181 Fax: 886-2-2221-1948 / 886-2-2221-0660 http://www.liteon.com/opto

LITEON LITE-ON ELECTRONICS, INC.

Property of Lite-On Only

FEATURES

* RECTANGULAR LIGHT BAR. * LARGE, BRIGHT, UNIFORM LIGHT EMITTING AREAS. * LOW POWER REQUIREMENT. * HIGH BRIGHTNESS & HIGH CONTRAST. * SOLID STATE RELIABILITY. * CATEGORIZED FOR LUMINOUS INTENSITY.

DESCRIPTION

The LTA-1000G is a ten rectangular light sources array display designed for a variety of applications where a continuously large, bright source of light is required. 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

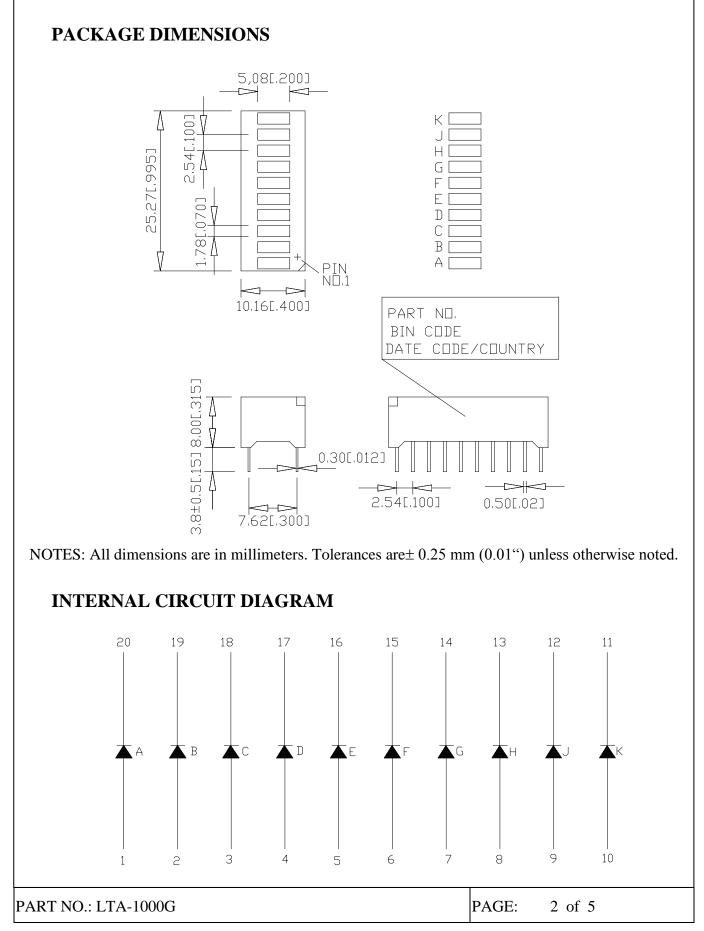
PART NO.	DESCRIPTION		
Green	Universal		
LTA-1000G	Ten Rectangular Bar		

		PART	NO.: L	TA-10	00G
--	--	------	--------	-------	-----

LITEON

LITE-ON ELECTRONICS, INC.

Property of Lite-On Only



BNS-OD-C131/A4



LITEON LITE-ON ELECTRONICS, INC.

Property of Lite-On Only

PIN CONNECTION

No.	CONNECTION			
1	ANODE A			
2	ANODE B			
3	ANODE C			
4	ANODE D			
5	ANODE E			
6	ANODE F			
7	ANODE G			
8	ANODE H			
9	ANODE J			
10	ANODE K			
11	CATHODE K			
12	CATHODE J			
13	CATHODE H			
14	CATHODE G			
15	CATHODE F			
16	CATHODE E			
17	CATHODE D			
18	CATHODE C			
19	CATHODE B			
20	CATHODE A			

PART NO.: LTA-1000G

LITEON LITE-ON ELECTRONICS, INC.

Property of Lite-On Only

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 $+85^{\circ}$ C				
Storage Temperature Range -35° C to $+85^{\circ}$ C				
Solder Temperature: max 260° C for max 3sec at 1.6mm below seating plane.				

ELECTRICAL / OPTICAL CHARACTERISTICS AT Ta=25°C

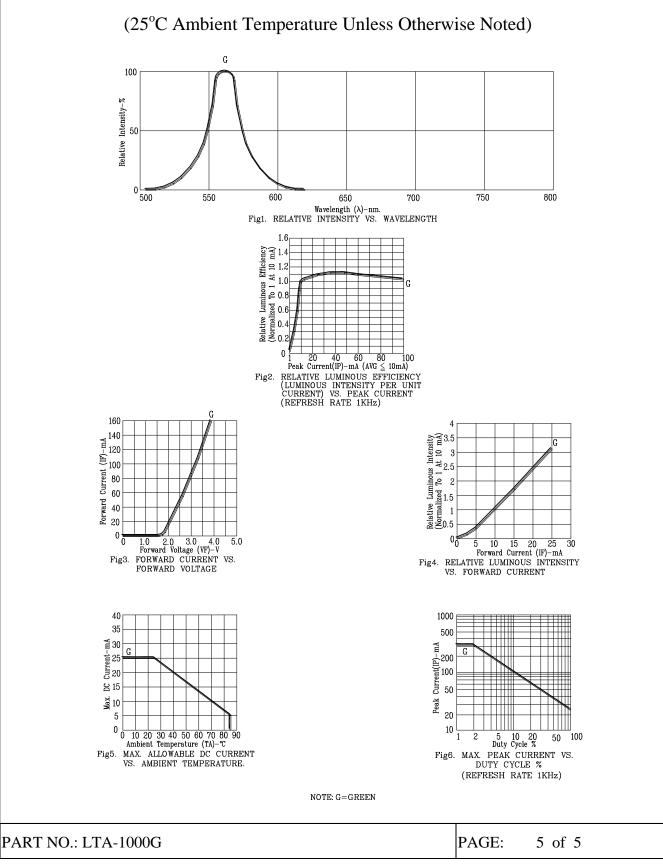
PARAMETER	SYMBOL	MIN.	TYP.	MAX.	UNIT	TEST CONDITION
Average Luminous Intensity	Iv	540	2000		μcd	IF=10mA
Peak Emission Wavelength	λp		565		nm	IF=20mA
Spectral Line Half-Width	Δλ		30		nm	IF=20mA
Dominant Wavelength	λd		569		nm	IF=20mA
Forward Voltage Per Segment	VF		2.1	2.6	V	IF=20mA
Reverse Current Per Segment	Ir			100	μΑ	V _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.

LITEON

LITE-ON ELECTRONICS, INC. Property of Lite-On Only

TYPICAL ELECTRICAL / OPTICAL CHARACTERISTIC CURVES



BNS-OD-C131/A4

Mouser Electronics

Authorized Distributor

Click to View Pricing, Inventory, Delivery & Lifecycle Information:

Lite-On: LTA-1000G