



Datasheet Directory

LED Display **Product Data Sheet** **LTD-6440G**

Spec No.: DS-30-97-036

Effective Date: 01/16/2010

Revision: B

LITE-ON DCC

RELEASE

BNS-OD-FC001/A4

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FEATURES

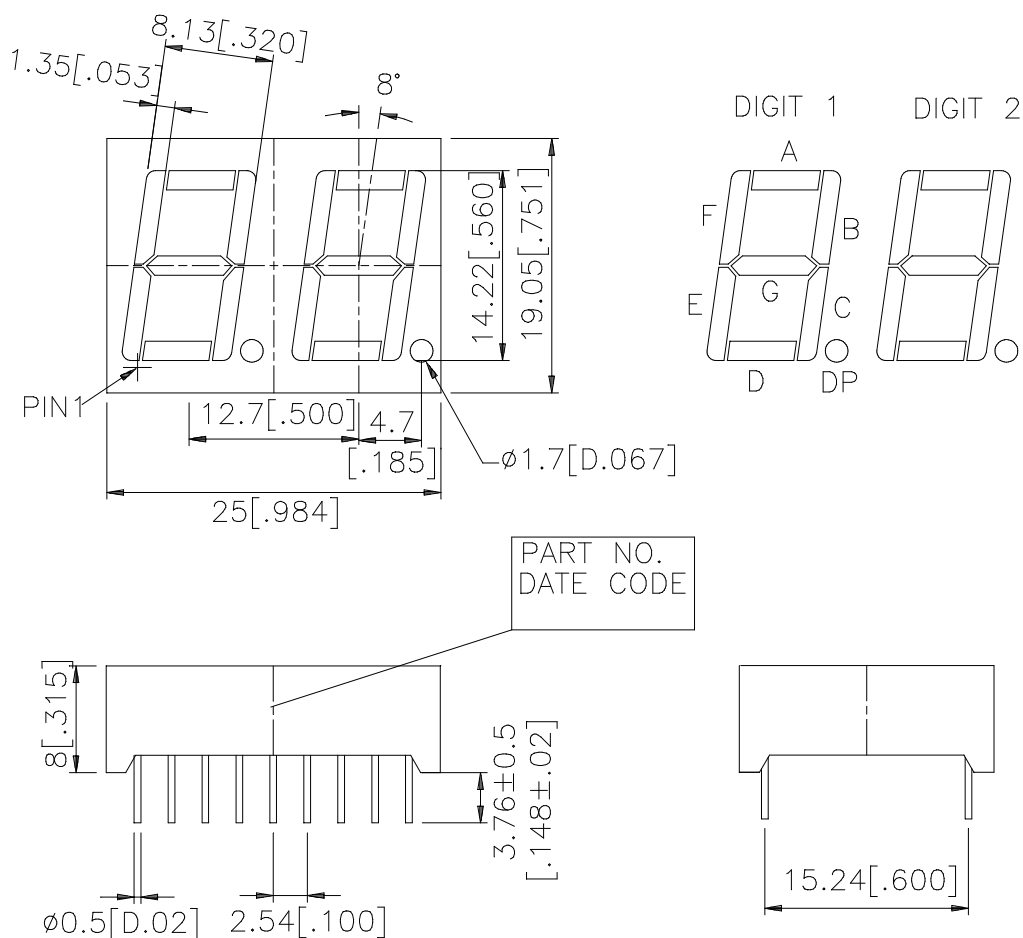
- * 0.56 inch (14.22 mm) DIGIT HEIGHT.
- * CONTINUOUS UNIFORM SEGMENTS.
- * LOW POWER REQUIREMENT.
- * EXCELLENT CHARACTERS APPEARANCE.
- * HIGH BRIGHTNESS & HIGH CONTRAST.
- * WIDE VIEWING ANGLE.
- * SOLID STATE RELIABILITY.
- *

DESCRIPTION

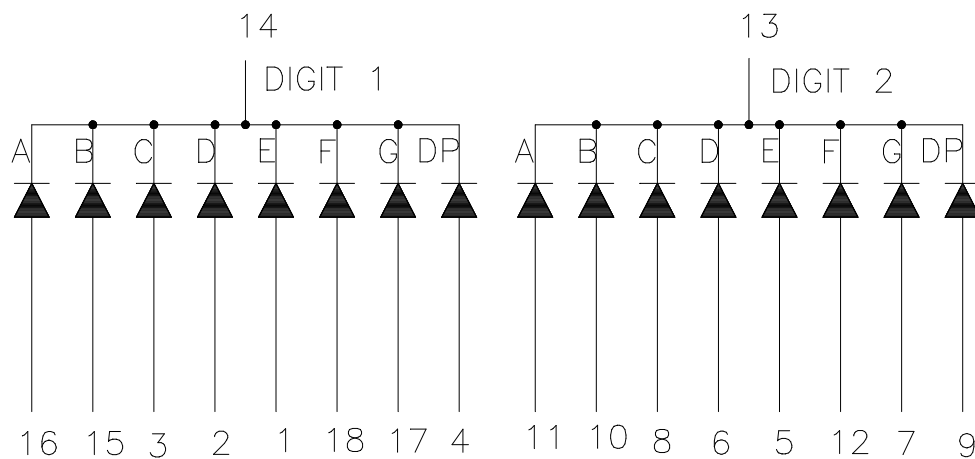
The LTD-6440G is a 0.56 inch (14.22 mm) height digit display. This device utilizes green LED chips, which are made from GaP on a transparent GaP substrate, and has a gray face and white segments.

DEVICE

PART NO.	DESCRIPTION
Green	Common Cathode Rt. Hand Decimal
LTD-6440G	

PACKAGE DIMENSIONS


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

INTERNAL CIRCUIT DIAGRAM


PIN CONNECTION

NO.	CONNECTION
1	Anode E (Digit 1)
2	Anode D (Digit 1)
3	Anode C (Digit1)
4	Anode D.P. (Digit 1)
5	Anode E (Digit 2)
6	Anode D (Digit 2)
7	Anode G (Digit 2)
8	Anode C (Digit 2)
9	Anode D.P. (Digit 2)
10	Anode B (Digit 2)
11	Anode A (Digit 2)
12	Anode F (Digit2)
13	Common Cathode (Digit 2)
14	Common Cathode (Digit 1)
15	Anode B (Digit 1)
16	Anode A (Digit1)
17	Anode G (Digit 1)
18	Anode F (Digit 1)

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°C to +85°C	
Solder Temperature: max 260°C for max 3sec at 1.6mm below seating plane.		

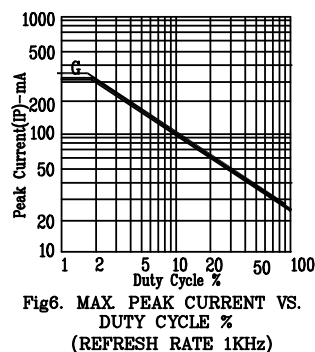
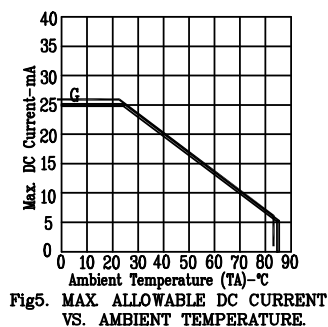
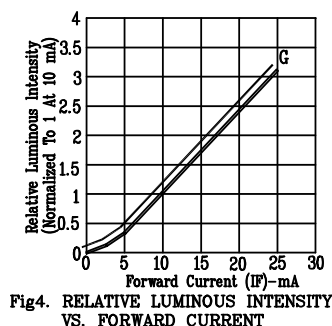
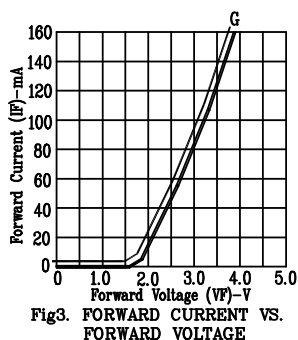
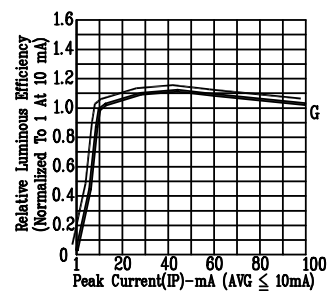
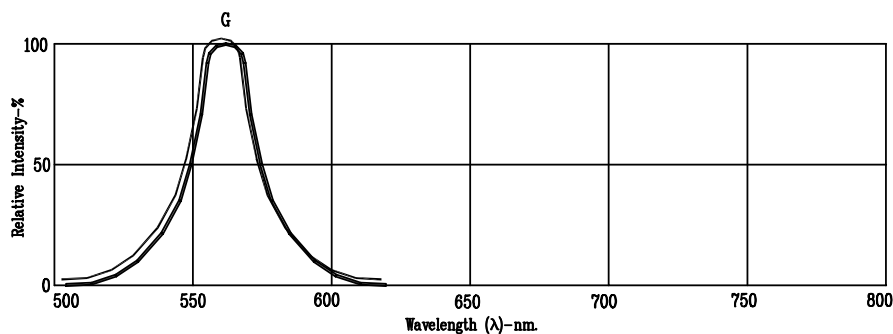
ELECTRICAL / OPTICAL CHARACTERISTICS AT Ta=25°C

PARAMETER	SYMBOL	MIN.	TYP.	MAX.	UNIT	TEST CONDITION
Average Luminous Intensity	I _v	800	2400		μcd	I _F =10mA
Peak Emission Wavelength	λ _p		565		nm	I _F =20mA
Spectral Line Half-Width	Δλ		30		nm	I _F =20mA
Dominant Wavelength	λ _d		569		nm	I _F =20mA
Forward Voltage Per Segment	V _F		2.1	2.6	V	I _F =20mA
Reverse Current Per Segment	I _R			100	μA	V _R =5V
Luminous Intensity Matching Ratio	I _v -m			2:1		I _F =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.

TYPICAL ELECTRICAL / OPTICAL CHARACTERISTIC CURVES

(25°C Ambient Temperature Unless Otherwise Noted)



NOTE: G=GREEN

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