imall

Chipsmall Limited consists of a professional team with an average of over 10 year of expertise in the distribution of electronic components. Based in Hongkong, we have already established firm and mutual-benefit business relationships with customers from, Europe, America and south Asia, supplying obsolete and hard-to-find components to meet their specific needs.

With the principle of "Quality Parts, Customers Priority, Honest Operation, and Considerate Service", our business mainly focus on the distribution of electronic components. Line cards we deal with include Microchip, ALPS, ROHM, Xilinx, Pulse, ON, Everlight and Freescale. Main products comprise IC, Modules, Potentiometer, IC Socket, Relay, Connector. Our parts cover such applications as commercial, industrial, and automotives areas.

We are looking forward to setting up business relationship with you and hope to provide you with the best service and solution. Let us make a better world for our industry!



Contact us

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Spec No.: DS-30-96-066 Effective Date: 01/29/2010 Revision: A



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

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.
* CATEGORIZED FOR LUMINOUS INTENSITY.

DESCRIPTION

The LTS-6960HR is a 0.56 inch (14.22 mm) digit height single digit seven-segment display. This device utilizes hi-eff. red LED chips, which are made from GaAsP on GaP substrate, and has a red face and red segments.

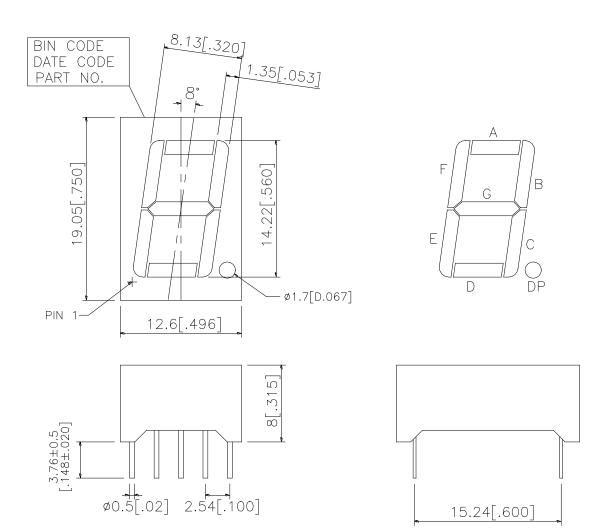
DEVICE

PART NO.	DESCRIPTION			
HI-EFF. RED	Common Anode			
LTS-6960HR	Rt. Hand Decimal			

LITEON LITE-ON TECHNOLOGY CORPORATION

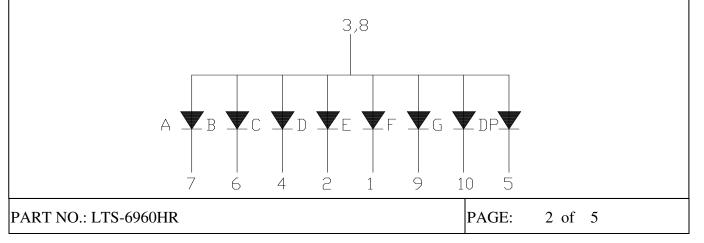






NOTES: All dimensions are in millimeters. Tolerance:± 0.25-mm (0.01") unless otherwise noted.





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PIN CONNECTION

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

PART NO.: LTS-6960HR

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/ 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		
Solder Temperature 1/16 inch Below Seating P	lane for 3 Seconds at 260 ⁰ C		

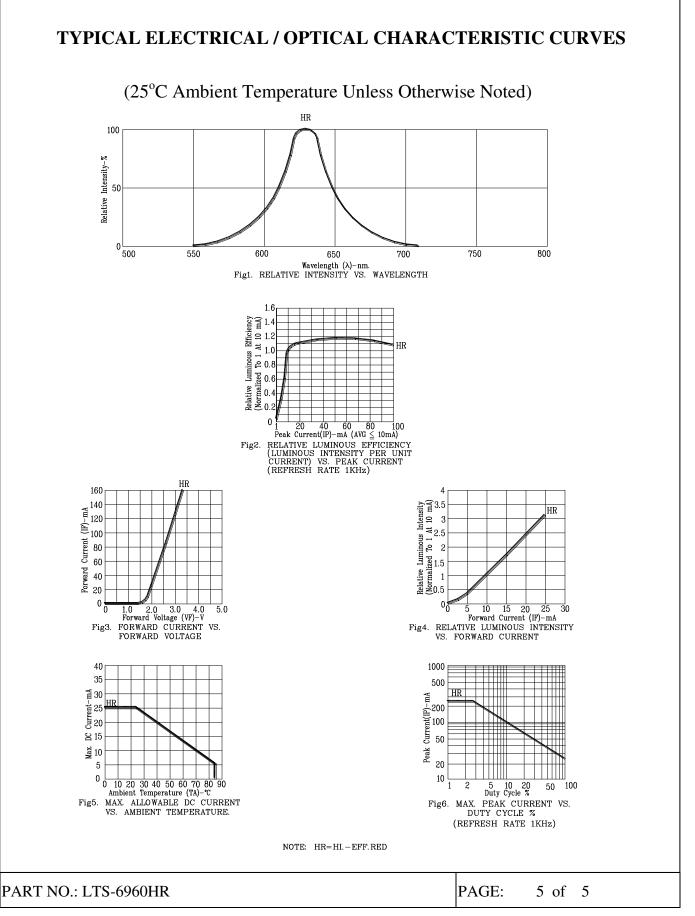
ELECTRICAL / OPTICAL CHARACTERISTICS AT Ta=25°C

PARAMETER	SYMBOL	MIN.	TYP.	MAX.	UNIT	TEST CONDITION
Average Luminous Intensity	Iv	870	2400		μcd	IF=10mA
Peak Emission Wavelength	λp		635		nm	IF=20mA
Spectral Line Half-Width	Δλ		40		nm	IF=20mA
Dominant Wavelength	λd		623		nm	IF=20mA
Forward Voltage Per Segment	VF		2.0	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'Eclariage) eye-response curve.

PART NO.: LTS-6960HR	PAGE:	4 of	5

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