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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

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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 LTL-2655HR is a light bar rectangular light sources designed for a variety of applications where a large bright source of light is required. This device utilizes high efficiency red LED chips, which are made from GaAsP on a transparent GaP substrate, and has white bar.

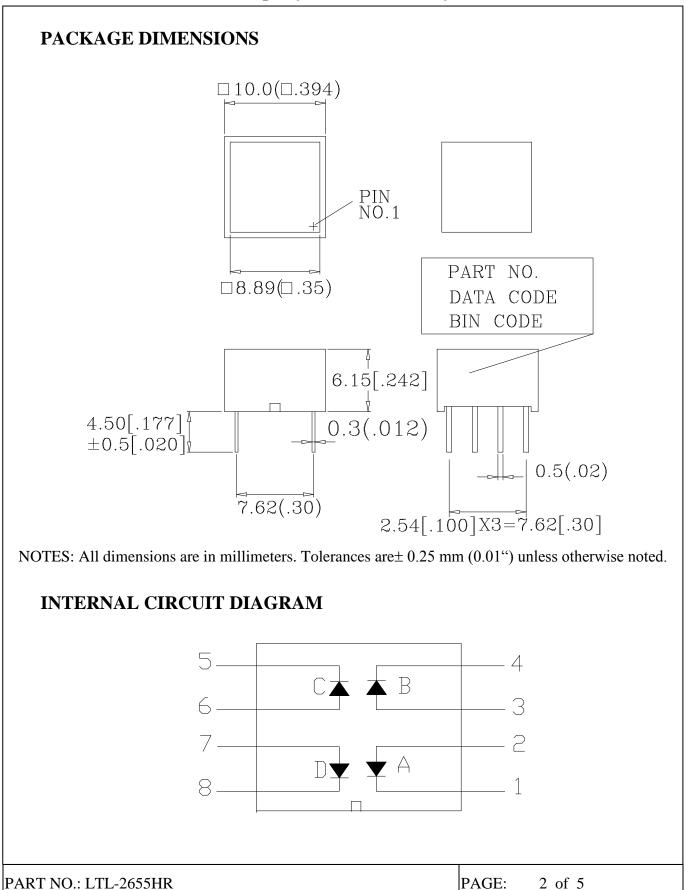
DEVICE

PART NO.	DESCRIPTION			
Hi-Eff. Red	Universal			
LTL-2655HR	Rectangular Bar			

PART NO.: LTL	-2655HR

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PIN CONNECTION

No	CONNECTION
1	CATHODE A
2	ANODE A
3	ANODE B
4	CATHODE B
5	CATHODE C
6	ANODE C
7	ANODE D
8	CATHODE D

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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		
Deperating 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.				

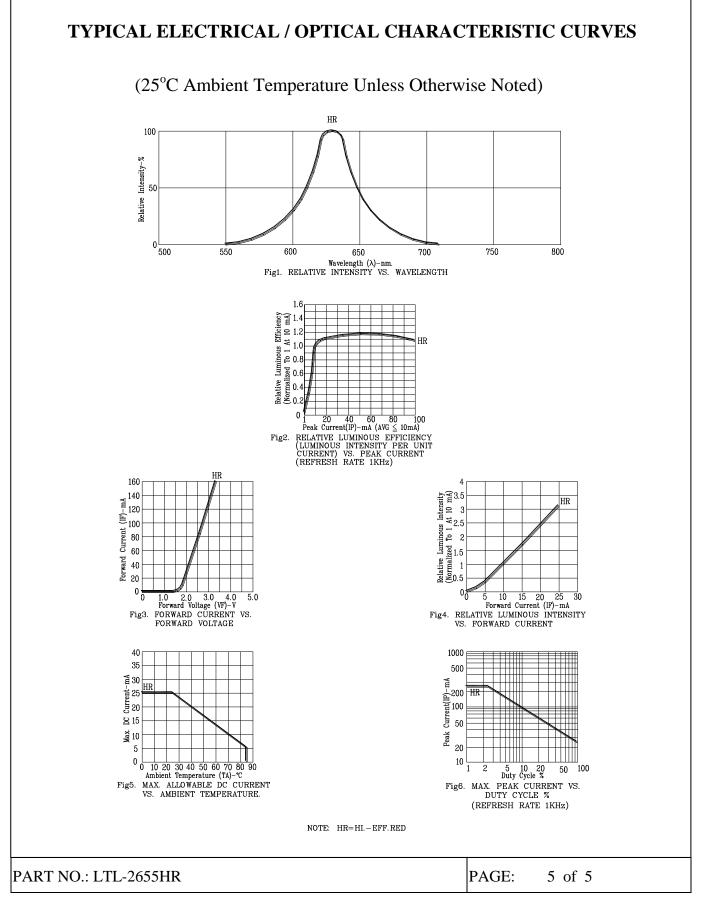
ELECTRICAL / OPTICAL CHARACTERISTICS AT Ta=25°C

PARAMETER	SYMBOL	MIN.	TYP.	MAX.	UNIT	TEST CONDITION	
Average Luminous Intensity	Iv	3500	8000		μcd	IF=10mA	
Peak Emission Wavelength	λp		635		nm	IF=20mA	
Spectral Line Half-Width	Δλ		40	40 nm		IF=20mA	
Dominant Wavelength	λd		623		nm	IF=20mA	
Forward Voltage Per Segment	VF		2	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.

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