



Spec No.: DS-30-96-101 Effective Date: 04/26/2000 Revision: -



BNS-OD-FC001/A4

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FEATURES

* 0.36 inch (9.14-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-360HR is a 0.36-inch (9.14-mm) digit height single digit seven-segment display. This device utilizes hi-eff. red LED chips, which are made from GaAsP on a transparent GaP substrate, and has a red face and red segments.

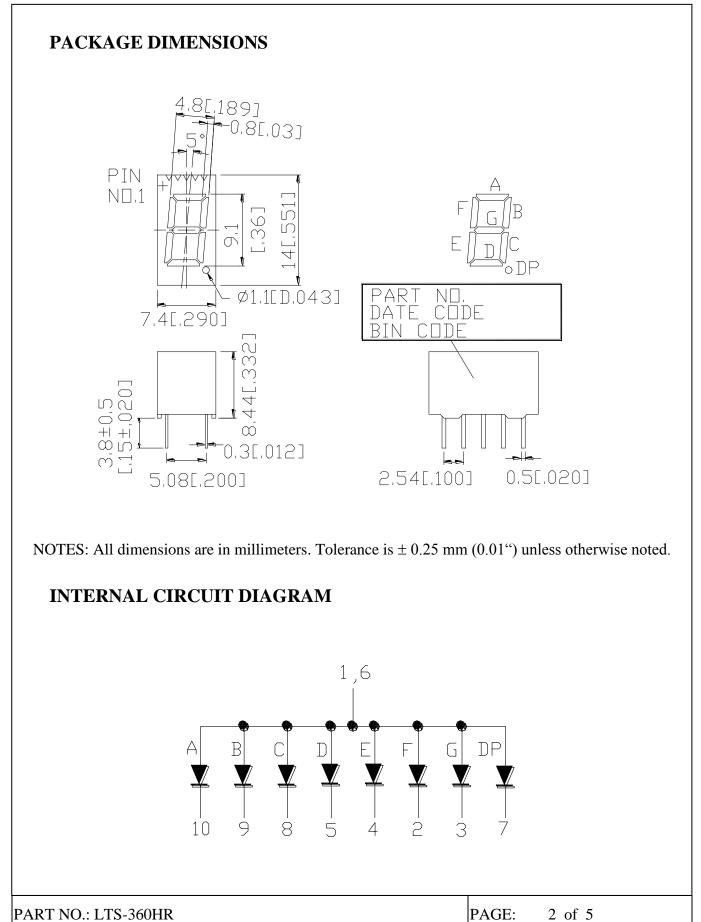
DEVICE

PART NO.	DESCRIPTION			
HI-EFF. RED	COMMON ANODE			
LTS-360HR	RT. HANDE DECIMAL			



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PIN CONNECTION

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

PART NO.: LTS-360HR

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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 ⁰ 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: max 260°C for max 3sec at 1.6mm[1/16inch] below seating plane.				

ELECTRICAL / OPTICAL CHARACTERISTICS AT Ta=25°C

PARAMETER	SYMBOL	MIN.	TYP.	MAX.	UNIT	TEST CONDITION
Average Luminous Intensity	Iv	800	2000		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

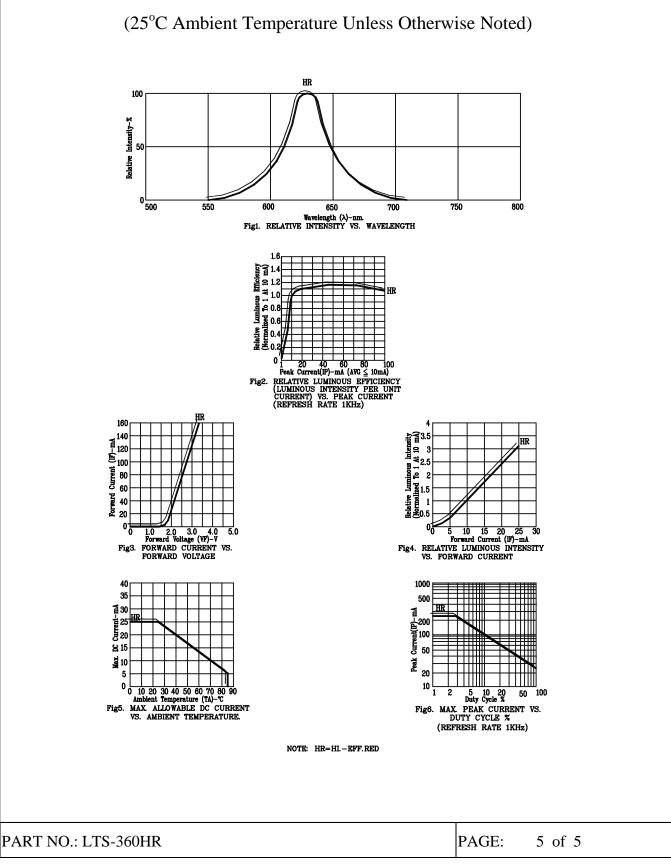
Note: Luminous intensity is measured with a light sensor and filter combination that approximates the CIE (Commision Internationale De L'Eclairage) eye-response curve.

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TYPICAL ELECTRICAL / OPTICAL CHARACTERISTIC CURVES



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Mouser Electronics

Authorized Distributor

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