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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.
* CATEGORIZED FOR LUMINOUS INTENSITY.

DESCRIPTION

The LTS-5501AS is a 0.56 inch (14.22 mm) digit height single digit display. This device utilizes AlGaAs Red LED chips which are made from AlGaAs on a non-transparent GaAs substrate, and has a gray face and white segments.

DEVICE

PART NO.	DESCRIPTION		
AlGaAs Red	COMMON ANODE		
LTS-5501AS	RT. HAND DECIMAL		

PART NO.: LTS-5501AS

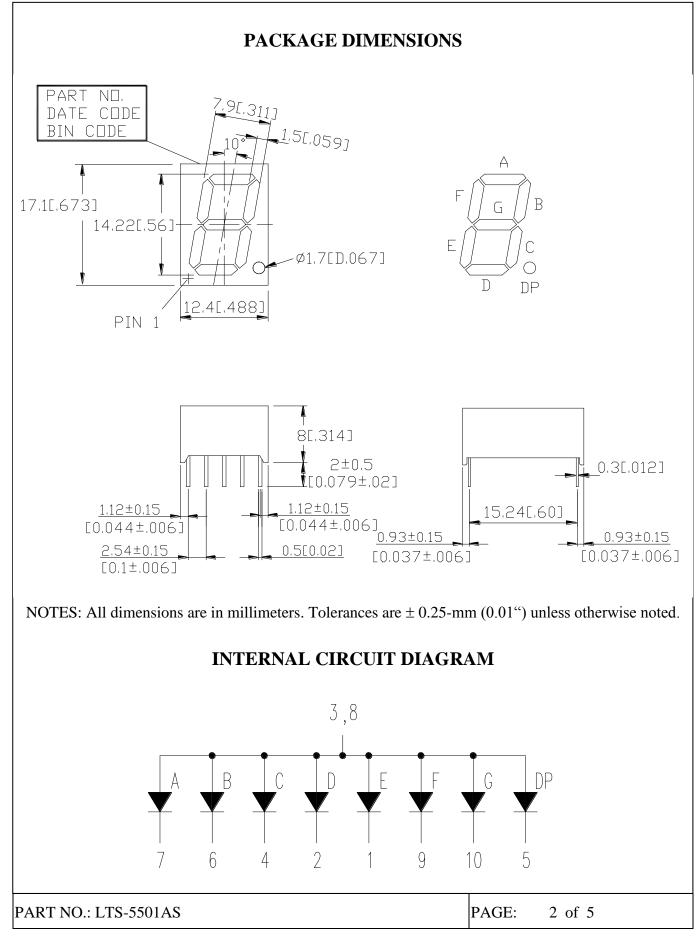
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PIN CONNECTION

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-5501AS

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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)	125	mA			
Continuous Forward Current Per Segment	30	mA			
Derating Linear From 25 [°] C Per Segment	0.4	mA/ ⁰ C			
Reverse Voltage Per Segment	5	V			
Operating Temperature Range	-35° C to $+85^{\circ}$ C				
Storage Temperature Range $-35^{\circ}C$ to $+85^{\circ}C$					
Solder Temperature 1/16 inch Below Seating Plane for 3 Seconds at 260 ^o C					

ELECTRICAL / OPTICAL CHARACTERISTICS AT Ta=25°C

PARAMETER	SYMBOL	MIN.	TYP.	MAX.	UNIT	TEST CONDITION
Average Luminous Intensity	Iv	1300	4150		μcd	IF=10mA
Peak Emission Wavelength	λp		660		nm	IF=20mA
Spectral Line Half-Width	Δλ		35		nm	IF=20mA
Dominant Wavelength	λd		638		nm	IF=20mA
Forward Voltage Per Segment	VF		1.8	2.4	V	IF=20mA
Reverse Current Per Segment	Ir			100	μΑ	V _R =5V
Luminous Intensity Matching Ratio	Iv-m			2:1		IF=10mA

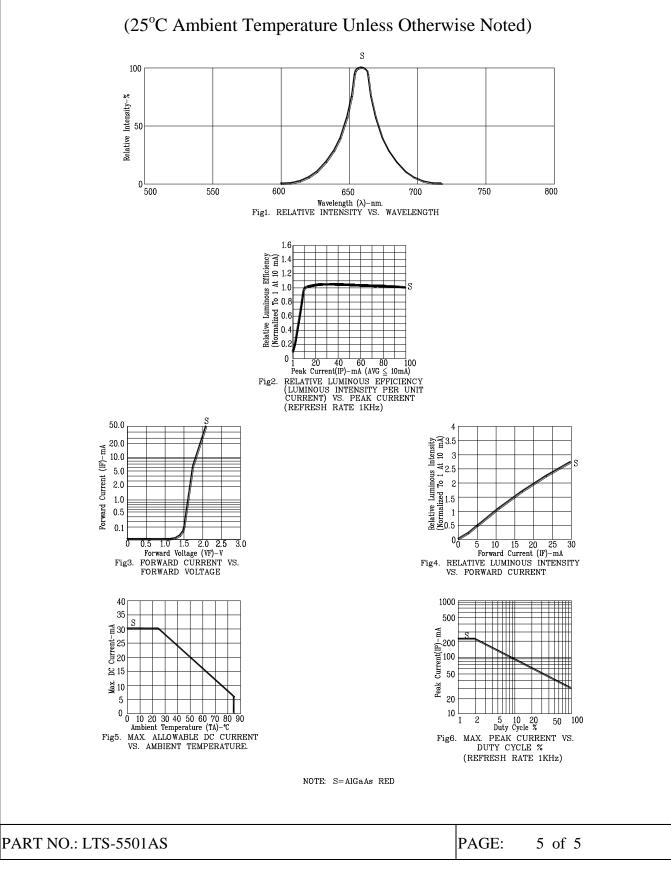
Note:Luminous intensity is measured with a light sensor and filter combination that approximates the CIE (Commision Internationale De L'Eclairage) eye-response curve.



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TYPICAL ELECTRICAL / OPTICAL CHARACTERISTIC CURVES



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