



Spec No.: DS30-2001-314 Effective Date: 09/07/2010 Revision: B



BNS-OD-FC001/A4

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#### **FEATURES**

\* 0.4 inch (10 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-4801JF is a 0.4 inch (10 mm) height single digit seven-segment display. This device utilizes AlInGaP yellow orange LED chips, which are made from AlInGaP on a non-transparent GaAs substrate, and has a gray face and white segments.

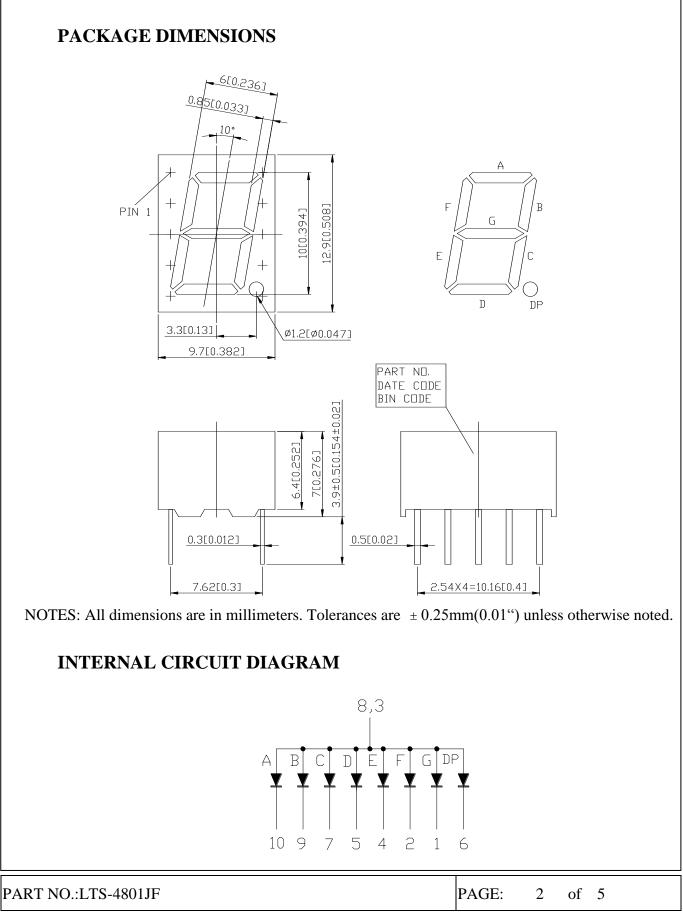
### DEVICE

PART NO.	DESCRIPTION		
AlInGaP Yellow Orange	Common Anode		
LTS-4801JF	Rt. Hand Decimal		

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## LITE-ON TECHNOLOGY CORPORATION Property of Lite-On Only





# **LITEON** LITE-ON TECHNOLOGY CORPORATION **Property of Lite-On Only**

### **PIN CONNECTION**

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

PART NO.:LTS-4801JF

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### LITE-ON TECHNOLOGY CORPORATION Property of Lite-On Only

### ABSOLUTE MAXIMUM RATING AT Ta=25°C

PARAMETER	MAXIMUM RATING	UNIT			
Power Dissipation Per Segment	70	mW			
Peak Forward Current Per Segment (1/10 Duty Cycle, 0.1ms Pulse Width )	60	mA			
Continuous Forward Current Per Segment	25	mA			
Derating Linear From 25°C Per Segment	0.33	mA/ºC			
Reverse Voltage Per Segment	5	V			
Operating Temperature Range	-35°C to +85°C				
Storage Temperature Range	-35°C to +85°C				
Solder Temperature 1/16 inch Below Seating Plane for 3 Seconds at 260°C					

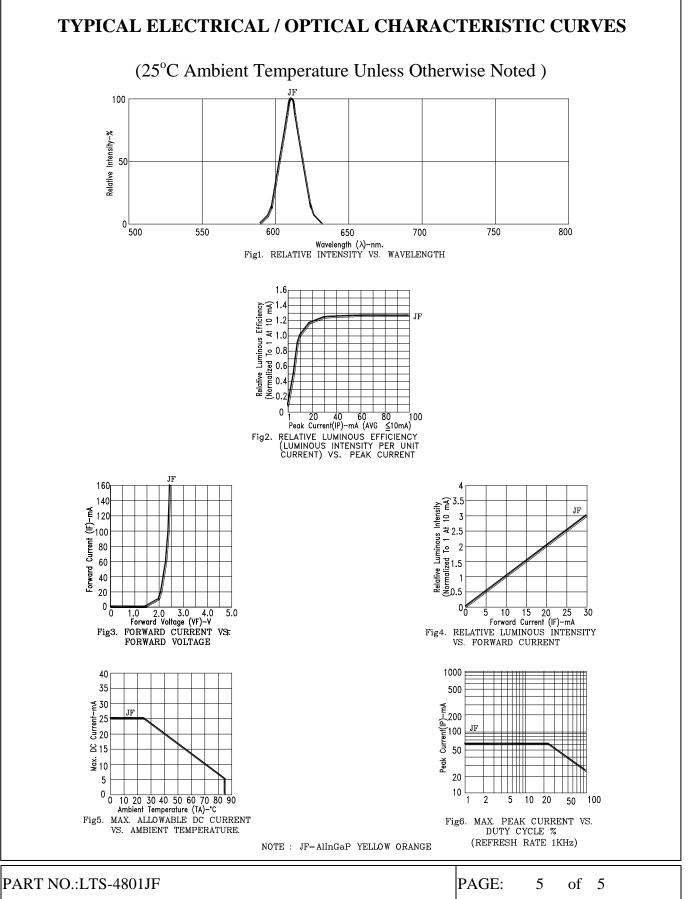
#### ELECTRICAL / OPTICAL CHARACTERISTICS AT Ta=25°C

PARAMETER	SYMBOL	MIN.	TYP.	MAX.	UNIT	TEST CONDITION
Average Luminous Intensity	IV	200	650		μcd	IF=1mA
Peak Emission Wavelength	λp		611		nm	IF=20mA
Spectral Line Half-Width	Δλ		17		nm	IF=20mA
Dominant Wavelength	λd		605		nm	IF=20mA
Forward Voltage Per Segment	VF		2.05	2.6	V	IF=20mA
Reverse Current Per Segment	IR			100	μΑ	VR=5V
Luminous Intensity Matching Ratio	IV-m			2:1		IF=1mA

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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LTS-4801JF