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!



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Spec No.: DS30-2001-145 Effective Date: 05/28/2010 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

Property of Lite-On Only

FEATURES

* 0.54 INCH (13.8 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

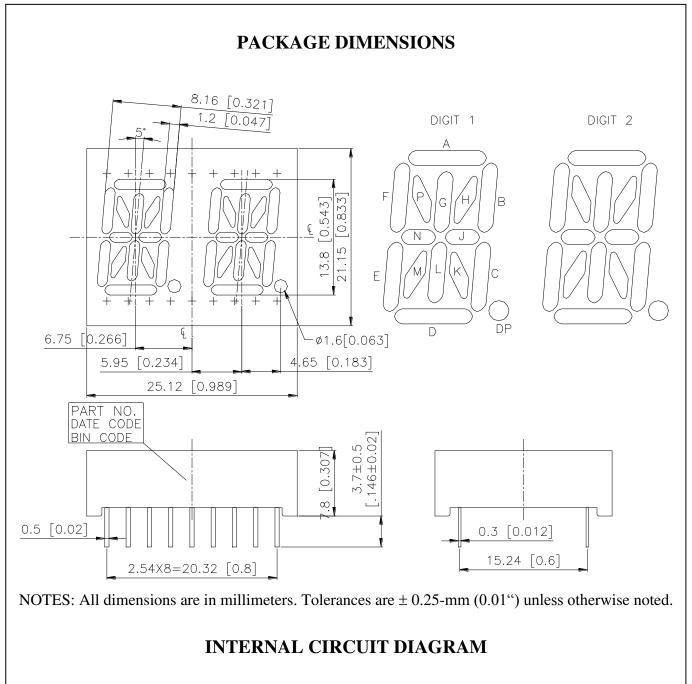
The LTP-3786JD-03 is a 0.54 inch (13.8 mm) digit height dual digit 14-segment alphanumeric display. This device utilizes AlInGaP Hyper Red LED chips, which are made from AlInGaP on GaAs substrate, and has a light gray face and white segments.

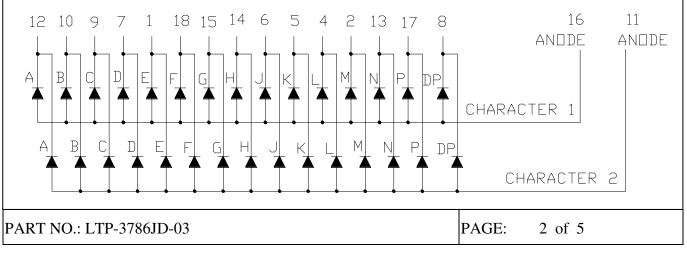
DEVICE

| PART NO. | DESCRIPTION | | |
|-------------------|---------------------|--|--|
| AlInGaP Hyper Red | Duplex Common Anode | | |
| LTP-3786JD-03 | Rt. Hand Decimal | | |

| PART NO.: LTP-3786JD-03 | PAGE: | 1 of 5 |
|-------------------------|-------|--------|
| | | |

Property of Lite-On Only





BNS-OD-C131/A4

Property of Lite-On Only

PIN CONNECTION

| No. | CONNECTION |
|-----|---------------------------|
| 1 | CATHODE E |
| 2 | CATHODE M |
| 3 | NO CONNECTION |
| 4 | CATHODE L |
| 5 | CATHODE K |
| 6 | CATHODE J |
| 7 | CATHODE D |
| 8 | CATHODE D.P. |
| 9 | CATHODE C |
| 10 | CATHODE B |
| 11 | COMMON ANODE, CHARACTER 2 |
| 12 | CATHODE A |
| 13 | CATHODE N |
| 14 | CATHODE H |
| 15 | CATHODE G |
| 16 | COMMON ANODE, CHARACTER 1 |
| 17 | CATHODE P |
| 18 | CATHODE F |

PART NO.: LTP-3786JD-03

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, 1.0ms Pulse Width) | 90 | 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: max 260°C for max 3sec at 1.6mm[1/16inch] below seating plane. | | | | |

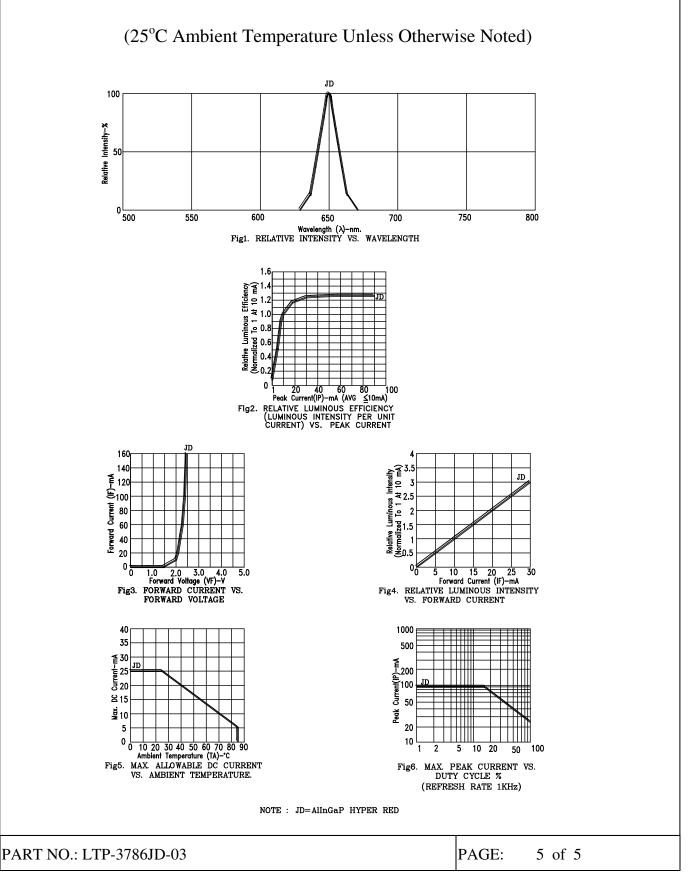
ELECTRICAL / OPTICAL CHARACTERISTICS AT Ta=25°C

| PARAMETER | SYMBOL | MIN. | TYP. | MAX. | UNIT | TEST CONDITION |
|-----------------------------------|--------|------|------|------|------|--------------------|
| Average Luminous Intensity | Iv | 200 | 520 | | μcd | IF=1mA |
| Peak Emission Wavelength | λp | | 650 | | nm | IF=20mA |
| Spectral Line Half-Width | Δλ | | 20 | | nm | IF=20mA |
| Dominant Wavelength | λd | | 639 | | nm | IF=20mA |
| Forward Voltage Per Segment | VF | | 2.1 | 2.6 | V | IF=20mA |
| Reverse Current Per Segment | Ir | | | 100 | μΑ | V _R =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.

Property of Lite-On Only

TYPICAL ELECTRICAL / OPTICAL CHARACTERISTIC CURVES



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