



LED Display

Product Data Sheet

LTP-3362JD

Spec No.: DS30-2001-486

Effective Date: 09/16/2003

Revision: A

LITE-ON DCC

RELEASE

FEATURES

- * 0.3 inch (7.62 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

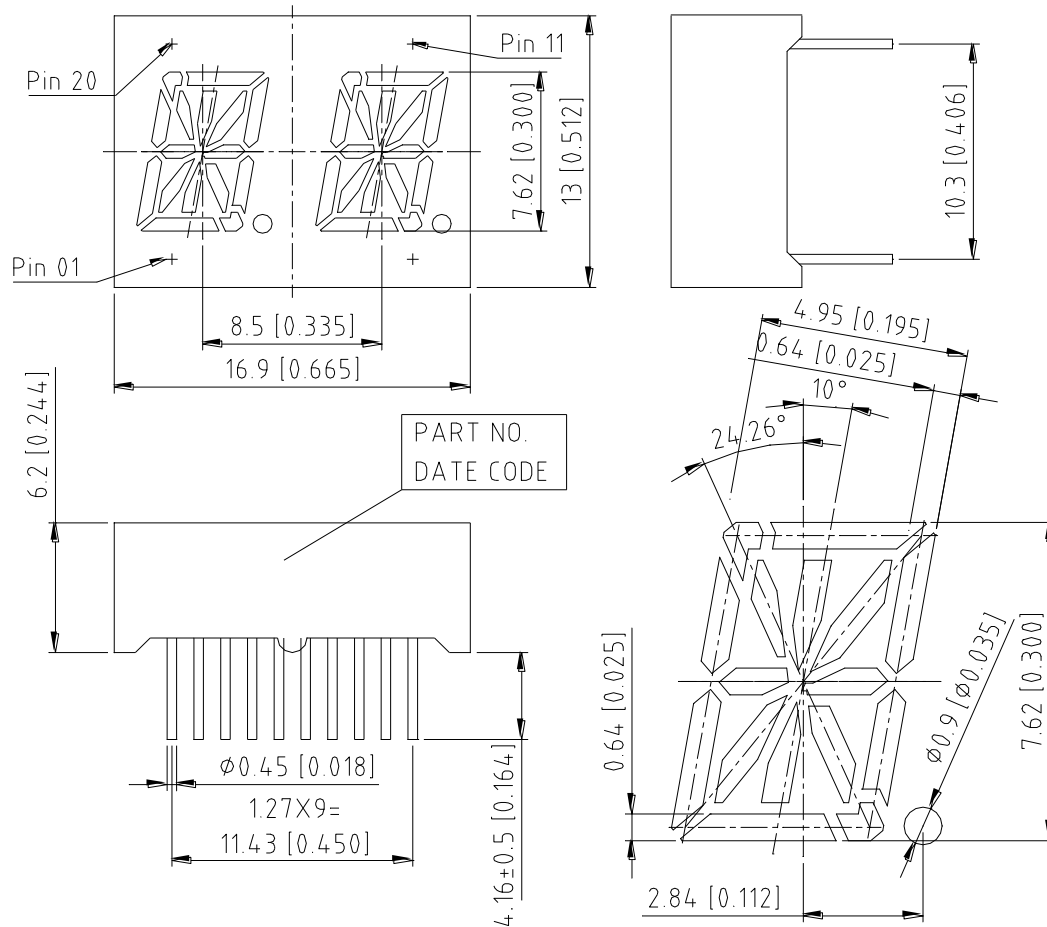
DESCRIPTION

The LTP-3362JD is a 0.3 inch (7.62 mm) digit height dual digit 17-segment alphanumeric display. This device uses AS-AlInGaP Hyper RED LED chips (AlInGaP on GaAs substrate). The display has black face and white segments.

DEVICE

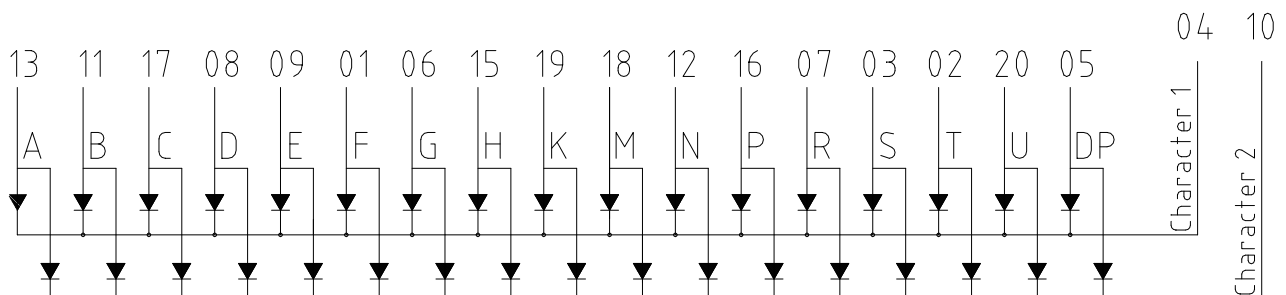
PART NO.	DESCRIPTION
AlInGaP Hyper Red	Multiplex Common Cathode Rt. Hand Decimal
LTP-3362JD	

PACKAGE DIMENSIONS



NOTES: All dimensions are in millimeters. Tolerances are $\pm 0.25\text{mm}$ (0.01") unless otherwise noted.

INTERNAL CIRCUIT DIAGRAM



PIN CONNECTION

No.	CONNECTION
1	ANODE F
2	ANODE T
3	ANODE S
4	COMMON CATHODE (Digit 1)
5	ANODE DP
6	ANODE G
7	ANODE R
8	ANODE D
9	ANODE E
10	COMMON CATHODE (Digit 2)
11	ANODE B
12	ANODE N
13	ANODE A
14	NO CONNECTION
15	ANODE H
16	ANODE P
17	ANODE C
18	ANODE M
19	ANODE K
20	ANODE U

ABSOLUTE MAXIMUM RATING

PARAMETER	MAXIMUM RATING	UNIT
Power Dissipation Per Segment	70	mW
Peak Forward Current Per Segment (Frequency 1Khz, 10% duty cycle)	90	mA
Continuous Forward Current Per Segment	25	mA
Forward Current Derating from 25 ⁰ C	0.33	mA/ ⁰ C
Reverse Voltage Per Segment	5	V
Operating Temperature Range	-35 ⁰ C to +85 ⁰ C	
Storage Temperature Range	-35 ⁰ C to +85 ⁰ C	
Soldering Conditions : 1/16 inch below seating plane for 3 seconds at 260 ⁰ C		

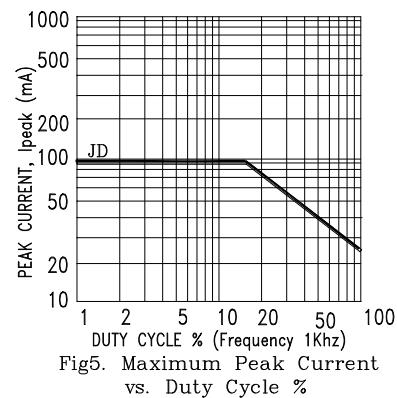
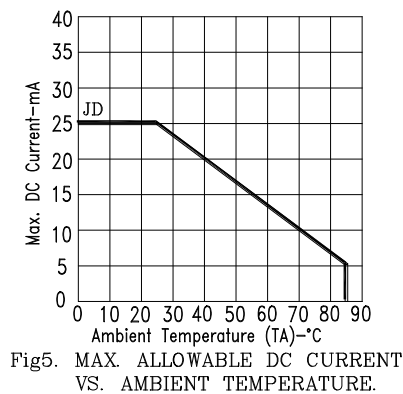
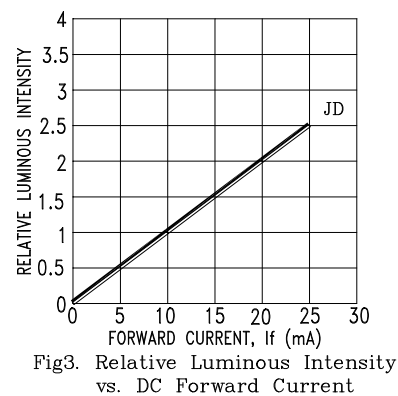
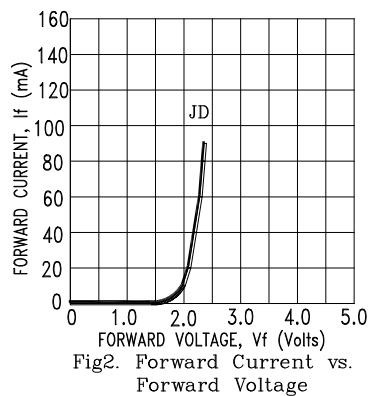
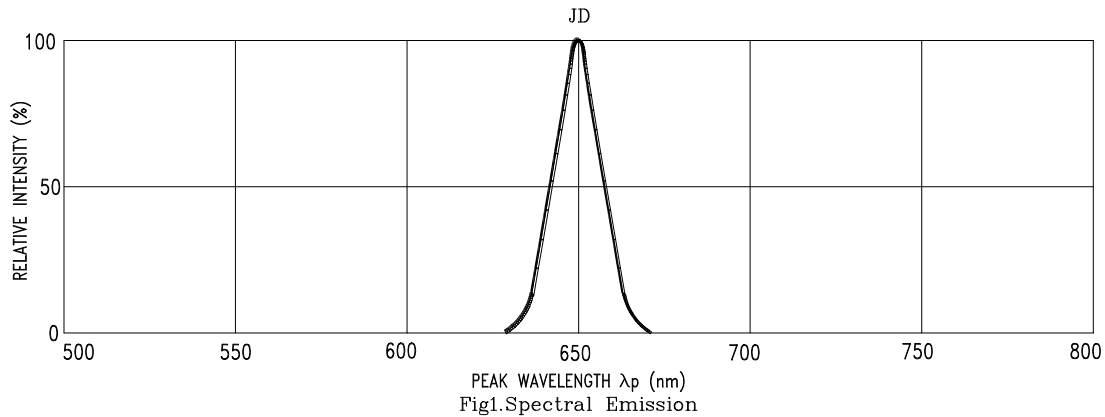
ELECTRICAL / OPTICAL CHARACTERISTICS

PARAMETER	SYMBOL	MIN.	TYP.	MAX.	UNIT	TEST CONDITION
Average Luminous Intensity Per Segment	I _v	200	600		μcd	I _F =1mA
Peak Emission Wavelength	λ _p		650		nm	I _F =20mA
Spectral Line Half-Width	Δλ		20		nm	I _F =20mA
Dominant Wavelength	λ _d		639		nm	I _F =20mA
Forward Voltage Per Segment	V _F		2.0	2.6	V	I _F =20mA
Reverse Current Per Segment	I _R			100	μA	V _R =5V
Luminous Intensity Matching Ratio	I _v -m			2:1		I _F =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.

TYPICAL ELECTRICAL / OPTICAL CHARACTERISTIC CURVES

(25°C Ambient Temperature Unless Otherwise Noted)



NOTE : JD=AlInGaP HYPER RED