

**LITE-ON TECHNOLOGY CORPORATION**

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FEATURES

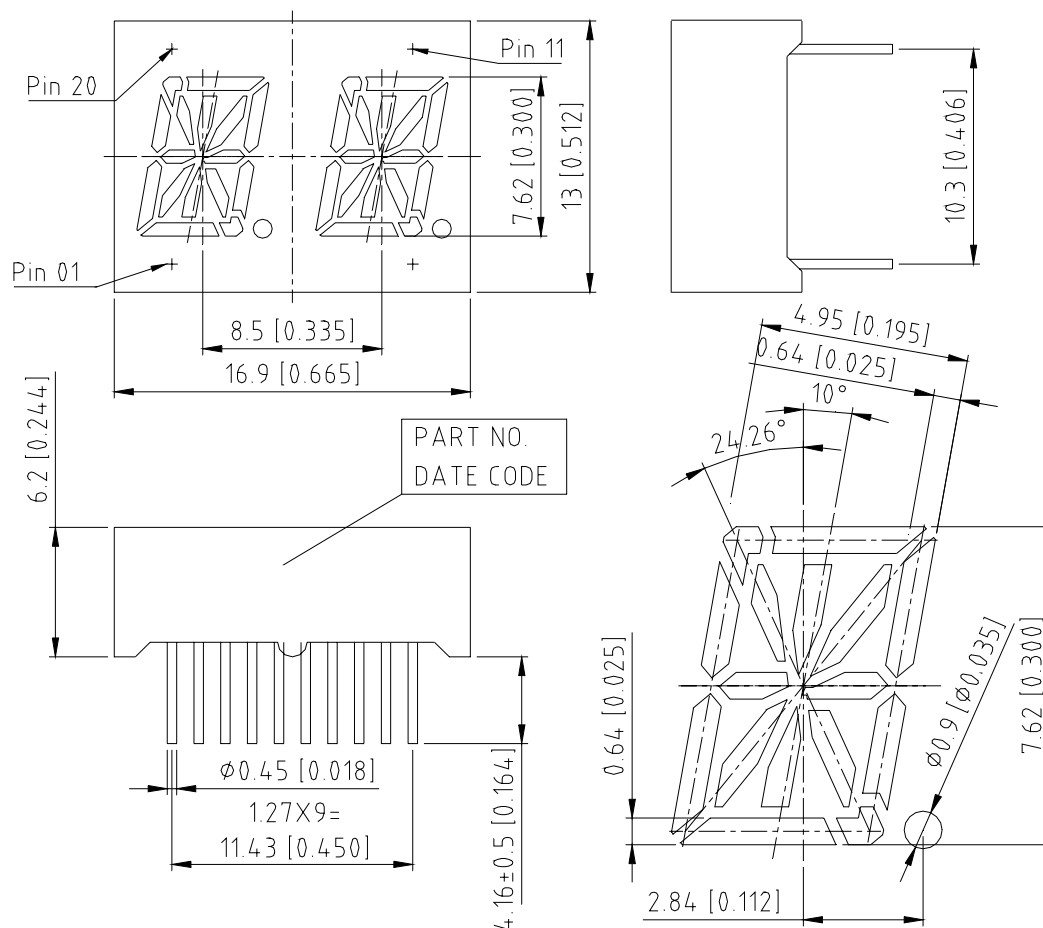
- * 0.3 inch (7.62 mm) DIGIT HEIGHT
- * CONTINUOUS UNIFORM SEGMENTS
- * LOW POWER REQUIREMENT
- * EXCELLENT CHARACTERS APPEARANCE
- * HIGH BRIGHTNESS & HIGH CONTRAST
- * WIDE VIEWING ANGLE
- * SOLID STATE RELIABILITY
- * CATEGORIZED FOR LUMINOUS INTENSITY

DESCRIPTION

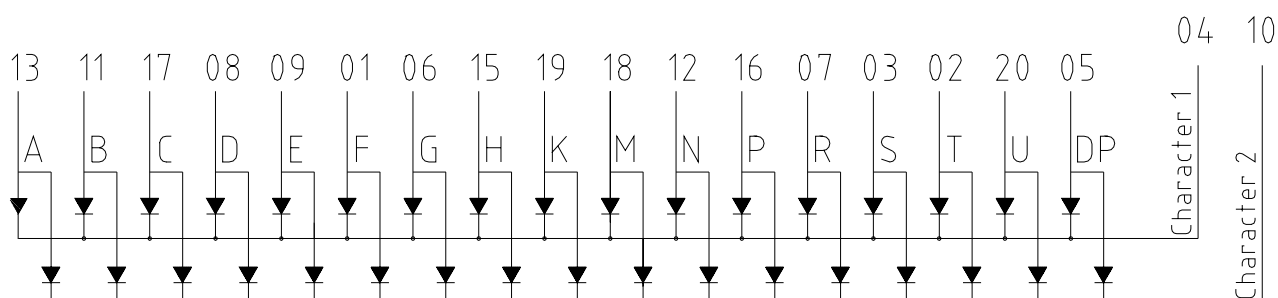
The LTP-3362JD is a 0.3 inch (7.62 mm) digit height dual digit 17-segment alphanumeric display. This device uses AS-AlInGaP Hyper RED LED chips (AlInGaP on GaAs substrate). The display has black face and white segments.

DEVICE

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

PACKAGE DIMENSIONS


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

INTERNAL CIRCUIT DIAGRAM




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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



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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		

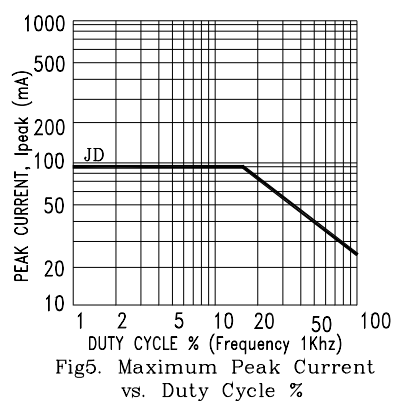
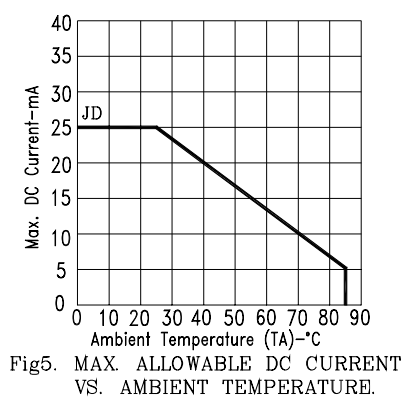
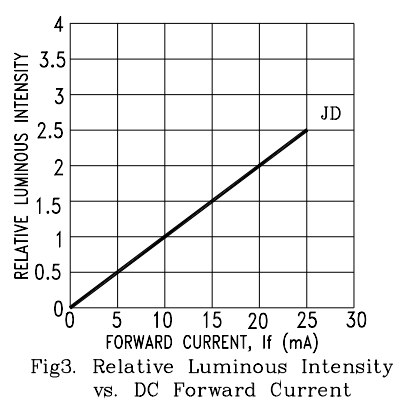
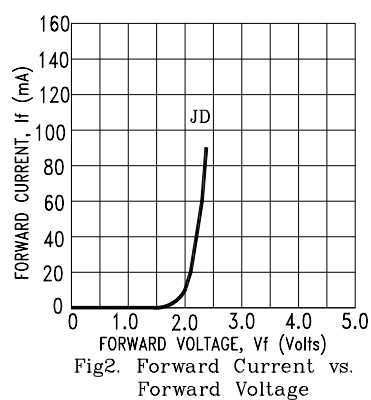
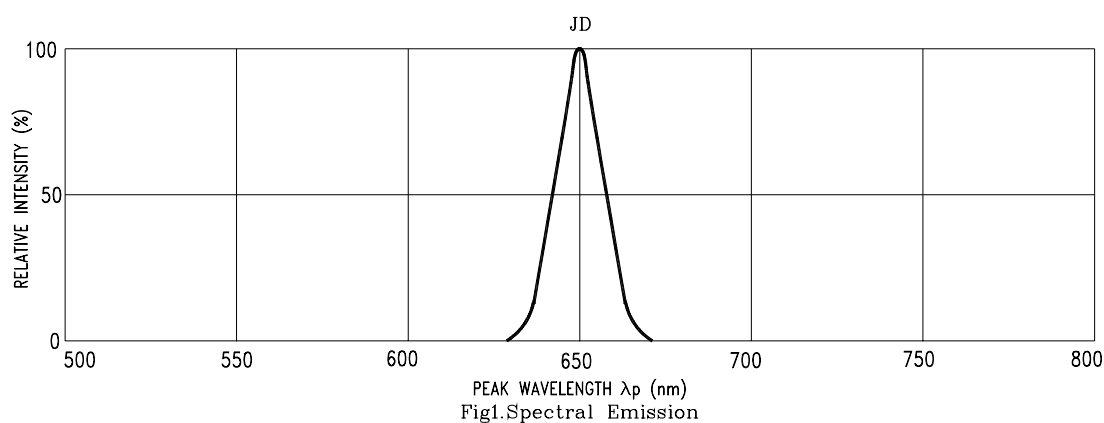
ELECTRICAL / OPTICAL CHARACTERISTICS

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