



Spec No.: DS30-2000-237 Effective Date: 08/29/2000

Revision: -

LITE-ON DCC

RELEASE

BNS-OD-FC001/A4

LITEON

LITE-ON ELECTRONICS, INC.

Property of Lite-On Only

FEATURES

- *0.4 inch (10.0-mm) DIGIT HEIGHT.
- *CONTINUOUS UNIFORM SEGMENTS.
- *LOW POWER REQUIREMENTS.
- *EXCELLENT CHARACTERS AND APPEARANCE.
- *HIGH CONTRAST.
- *HIGH BRIGHTNESS.
- * WIDE VIEWING ANGLE.
- * SOLID STATE RELIABILITY.
- *COMMON ANODE OR COMMON CATHODE MODELS.
- *CATEGORIZED FOR LUMINOUS INTENSITY.
- *EASY MOUNTING ON P.C. BOARD.

DESCRIPTION

The LTP-4323E is a is a 0.4 inch (10 mm) height 16-segment dual alphanumeric display. This device utilizes red orange LED chips, which are made from GaAsP on GaP substrate, and has a gray face and white segments.

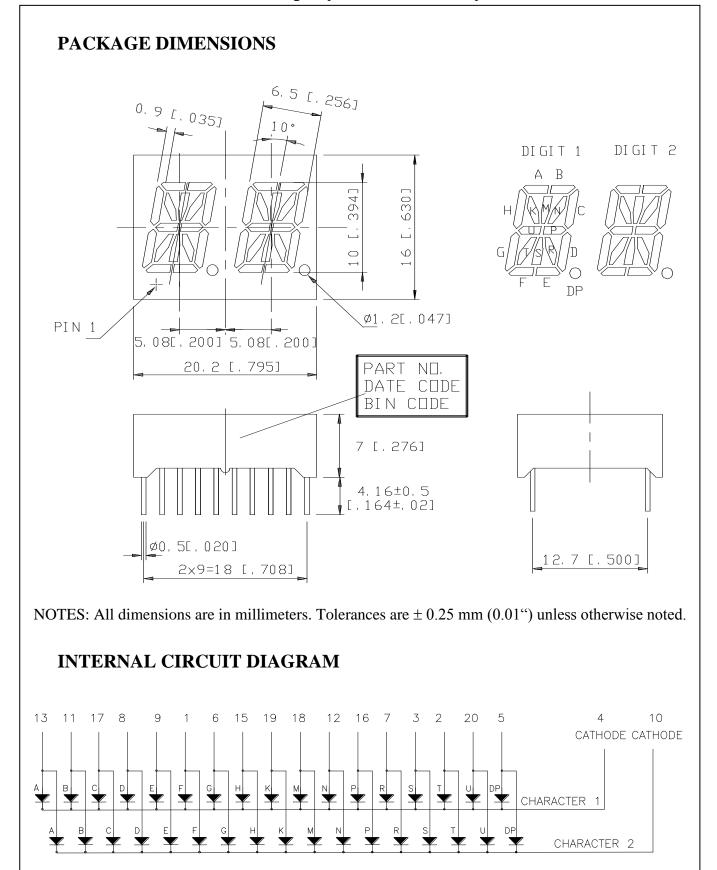
DEVICE

| PART NO. | DESCRIPTION | | | |
|------------|-----------------------|--|--|--|
| RED ORANGE | DUPLEX COMMON CATHODE | | | |
| LTP-4323E | RT. HAND DECIMAL | | | |

PART NO.: LTP-4323E PAGE: 1 of 5

LITEON LITE-ON ELECTRONICS, INC.

Property of Lite-On Only



PAGE:

2 of 5

BNS-OD-C131/A4

PART NO.: LTP-4323E

LITEON LITE-ON ELECTRONICS, INC.

Property of Lite-On Only

PIN CONNECTION

| No. | CONNECTION |
|-----|----------------------------|
| 1 | ANODE F |
| 2 | ANODE T |
| 3 | ANODE S |
| 4 | COMMON CATHODE CHARACTER 1 |
| 5 | ANODE DP |
| 6 | ANODE G |
| 7 | ANODE R |
| 8 | ANODE D |
| 9 | ANODE E |
| 10 | COMMON CATHODE CHARACTER 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 |

3 of 5 PART NO.: LTP-4323E PAGE:



LITEON LITE-ON ELECTRONICS, INC.

Property of Lite-On Only

ABSOLUTE MAXIMUM RATING AT Ta=25°C

| PARAMETER | MAXIMUM RATING | UNIT | | | |
|--|----------------|-------|--|--|--|
| Average Power Dissipation Per Segment | 75 | mW | | | |
| Peak Forward Current Per Segment | 100 | mA | | | |
| Average Forward Current Per Segment | 25 | mA | | | |
| Derating Linear From 25°C Per Segment | 0.33 | mA/°C | | | |
| Reverse Voltage Per Segment | 5 | V | | | |
| Operating Temperature Range | -35°C to +85°C | | | | |
| Storage Temperature Range | -35°C to +85°C | | | | |
| Solder Temperature: max 260°C for max 3sec at 1.6mm[1/16inch] below seating plane. | | | | | |

ELECTRICAL / OPTICAL CHARACTERISTICS AT Ta=25°C

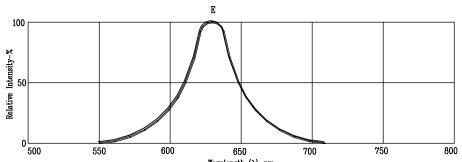
| PARAMETER | SYMBOL | MIN. | TYP. | MAX. | UNIT | TEST CONDITION |
|-----------------------------------|--------|------|------|------|------|----------------------|
| Average Luminous Intensity | Iv | 800 | 2200 | | μcd | I _F =10mA |
| Peak Emission Wavelength | λр | | 630 | | nm | I _F =20mA |
| Spectral Line Half-Width | Δλ | | 40 | | nm | I _F =20mA |
| Dominant Wavelength | λd | | 621 | | nm | I _F =20mA |
| Forward Voltage Per Segment | VF | | 2.0 | 2.6 | V | I _F =20mA |
| Reverse Current Per Segment | Ir | | | 100 | μΑ | V _R =5V |
| Luminous Intensity Matching Ratio | Iv-m | | | 2:1 | | I _F =10mA |

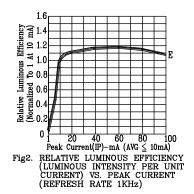
Note: Luminous intensity is measured with a light sensor and filter combination that approximates the CIE (Commision Internationale De L'Eclairage) eye-response curve.

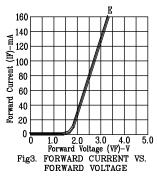
PART NO.: LTP-4323E PAGE: 4 of 5 Property of Lite-On Only

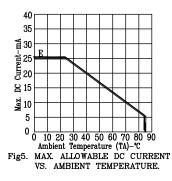
TYPICAL ELECTRICAL / OPTICAL CHARACTERISTIC CURVES

(25°C Ambient Temperature Unless Otherwise Noted)

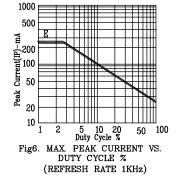








A chiral of the first of the fi



NOTE: E=RED ORANGE

PART NO.: LTP-4323E PAGE: 5 of 5