| | PART NUMBER | REV. |
|---|---|---|
| ⬡LX | **LDD—C814RI** | C |

| REV. | E.C.N. NUMBER AND REVISION COMMENTS | DATE |
|---|---|---|
| A | E.C.N. #10386. | 10-15-97 |
| B | E.C.N. #10396 & #10387. | 11-7-97 |
| C | E.C.N. #10BRDR. & REDRAWN. | 2-12-99 |

PIN 18 — — PIN 10

PIN 1 — — PIN 9

10.00 [0.394]

4.50±0.75 [0.177±0.030]

25.80 [1.016]

22.00 [0.866]

Ø0.51 [0.020] (18 PLS.)
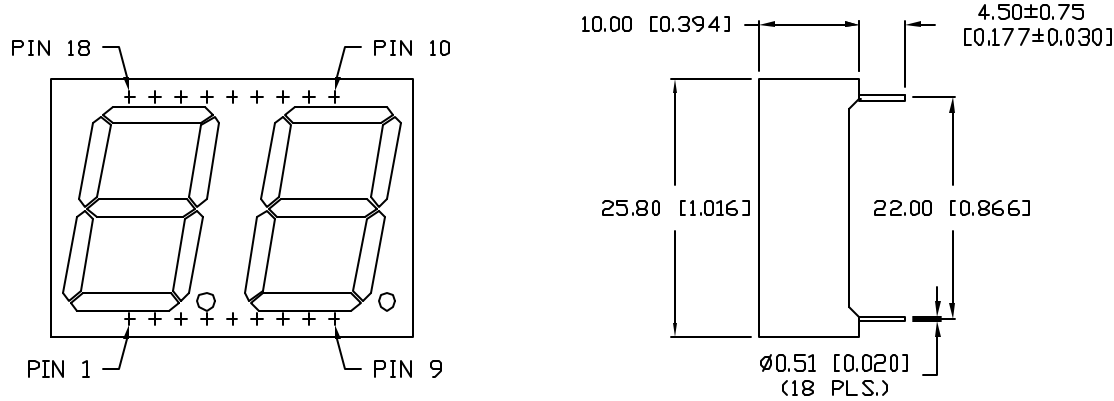
**ELECTRO-OPTICAL CHARACTERISTICS** $T_A$=25°C    $I_f$=10mA

| PARAMETER | MIN | TYP | MAX | UNITS | TEST COND |
|---|---|---|---|---|---|
| PEAK WAVELENGTH | | 635 (RED) | | nm | |
| FORWARD VOLTAGE | | 2.0 | 2.5 | $V_f$ | |
| REVERSE VOLTAGE | 5.0 | | | $V_r$ | $I_r$=100µA |
| AXIAL INTENSITY | | 3900 | | µcd | $I_f$=10mA |
| EMITTED COLOR: | RED | | | | |
| FACE COLOR: | GRAY | | | | |
| SEGMENT COLOR: | MILKY WHITE DIFFUSED | | | | |

**LIMITS OF SAFE OPERATION AT 25°C PER CHIP**

| PARAMETER | MAX | UNITS |
|---|---|---|
| PEAK FORWARD CURRENT* | 150 | mA |
| STEADY CURRENT | 30 | mA |
| POWER DISSIPATION | 105 | mW |
| DERATE FROM 25°C | −1.2 | mW/°C |
| OPERATING, STORAGE TEMP. | −40 TO +85 | °C |
| SOLDERING TEMP. | +260 | °C |
| 2.0mm FROM BODY | | 3 SEC. MAX |

* $t<10µS$

35.80 [1.409]

2.54 [0.100] (8 PLS.)

20.32 [0.800]

**CHARACTER DETAIL**

10.00°

A
F   G   B
E   D   C
DP

20.30 [0.799]

DIG.1        DIG.2

14   COMMON CATHODE   13

DIG.1        DIG.2

| A | B | C | D | E | F | G | DP |   | A | B | C | D | E | F | G | DP |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 16 | 15 | 3 | 2 | 1 | 18 | 17 | 4 | | 11 | 10 | 8 | 6 | 5 | 12 | 7 | 9 |
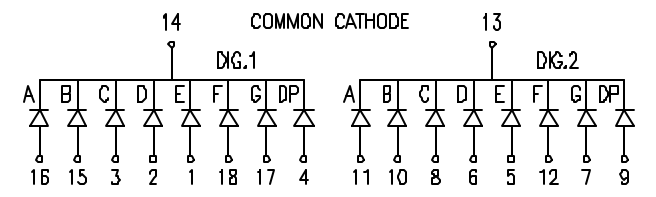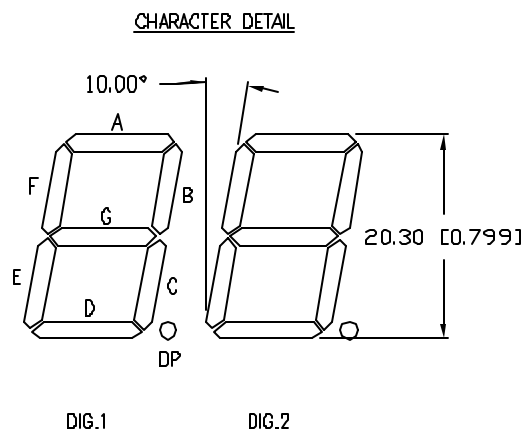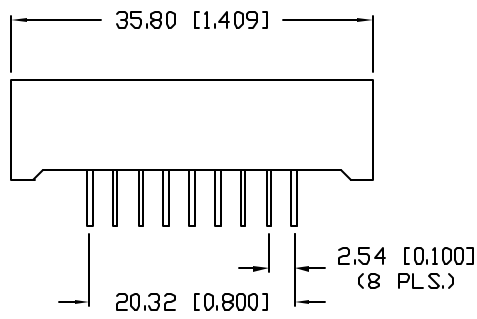
*UNLESS OTHERWISE SPECIFIED TOLERANCE IS ±0.25mm (±0.010")

| REV. | PART NUMBER |
|---|---|
| C | **LDD—C814RI** |

0.80" SEVEN SEGMENT, DUAL DIGIT DISPLAY,
635nm RED CHIPS, GRAY FACE WITH WHITE SEGMENTS,
COMMON CATHODE, RIGHT DECIMAL PLACES.

**LUMEX INCORPORATED**

290 E. HELLEN ROAD
PALATINE, ILLINOIS 60067
PHONE: 1-847-359-2790
WEB: HTTP://WWW.LUMEX.COM

| DRAWN BY: | CHECKED BY: | APPROVED BY: | DATE: 1-16-97 |
|---|---|---|---|
| | | | PAGE: 1 OF 1 |
| BC | | | SCALE: N/A |

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Authorized Distributor

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