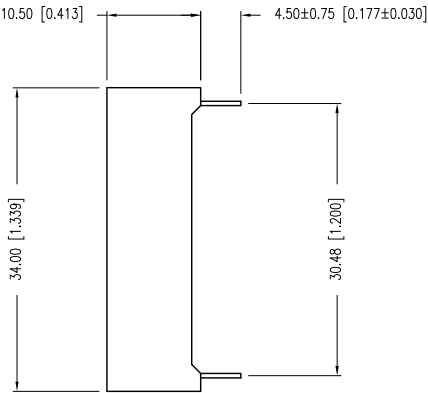
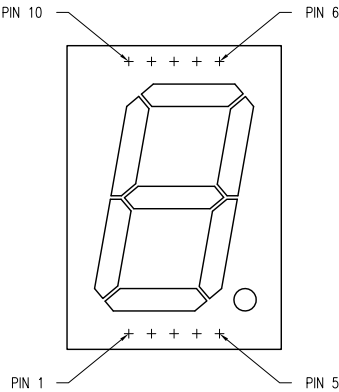
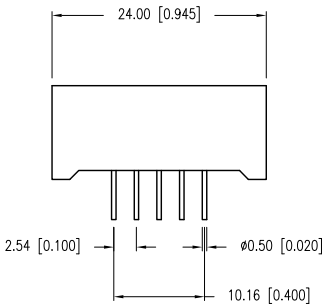


|             |                                     |      |      |
|-------------|-------------------------------------|------|------|
| PART NUMBER | LDS-CA14RI                          | REV. | B    |
| DATE        | E.C.N. NUMBER AND REVISION COMMENTS |      | REV. |
| 05.12.97    | E.C.N. #10342.                      |      | A    |
| 04.22.98    | E.C.N. #10BRDR. & REDRAWN.          |      | B    |

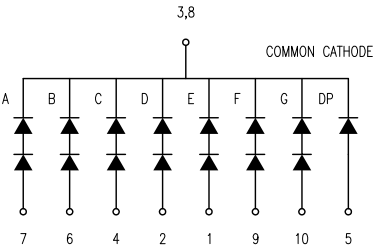
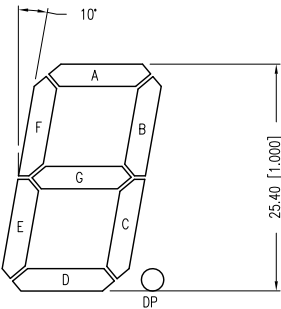


| ELECTRO-OPTICAL CHARACTERISTICS $T_A=25^{\circ}\text{C}$ $I_f=20\text{mA}$ |                      |           |         |       |                      |
|--|----------------------|-----------|---------|-------|----------------------|
| PARAMETER  | MIN                  | TYP       | MAX     | UNITS | TEST COND            |
| PEAK WAVELENGTH  |                      | 635 (RED) |         | nm    |                      |
| FORWARD VOLTAGE  |                      | 4.0/2.0   | 5.0/2.5 | $V_f$ |                      |
| REVERSE VOLTAGE  | 5.0                  |           |         | $V_r$ | $I_f=100\mu\text{A}$ |
| AXIAL INTENSITY  |                      | 9800      |         | mcd   | $I_f=20\text{mA}$    |
| EMITTED COLOR:   | RED                  |           |         |       |                      |
| FACE COLOR:  | GRAY                 |           |         |       |                      |
| EPOXY LENS FINISH:   | 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 TEMP.                           | -20 TO +85 | °C         |
| STORAGE TEMP.                             | -20 TO +85 | °C         |
| SOLDERING TEMP.                           | +260       | °C         |
| 2.0mm FROM BODY                           |            | 3 SEC. MAX |
| * $t < 10\mu\text{s}$                     |            |            |



DIGIT DETAIL



\*UNLESS OTHERWISE SPECIFIED TOLERANCES PER DECIMAL PRECISION ARE: X=±1 (±0.039), X.X=±0.5 (±0.020), X.XX=±0.25 (±0.010), X.XXX=±0.127 (±0.005). LEAD SIZE=±0.05 (±0.002), LEAD LENGTH=±0.75 (±0.030). MIN.= +DECIMAL PRECISION MAX.= +0.00 -DECIMAL PRECISION



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|   |                 |              |
|---|-----------------|--------------|
| 1.0" SINGLE DIGIT, SEVEN SEGMENT DISPLAY, 635nm RED, GREY FONT/WHITE SEGMENTS, COMMON CATHODE.  | DATE: 05.01.96  | DRAWN BY: MA |
| **THE SPECIFICATIONS MAY CHANGE AT ANY TIME WITHOUT NOTICE DUE TO NEW MATERIALS OR PRODUCT IMPROVEMENT.**<br><br>CONFIDENTIAL INFORMATION<br>THE INFORMATION CONTAINED IN THIS DOCUMENT IS THE PROPERTY OF LUMEX INC. EXCEPT AS SPECIFICALLY AUTHORIZED IN WRITING BY LUMEX INC., THE HOLDER OF THIS DOCUMENT SHALL KEEP ALL INFORMATION CONTAINED HEREIN CONFIDENTIAL AND SHALL PROTECT SAME IN WHOLE OR IN PART FROM DISCLOSURE AND DISSEMINATION TO ALL THIRD PARTIES. | PAGE: 1 OF 1    | CHKD BY: KF  |
|   | SCALE: NTS      | APRVD BY: KF |
|   | UNIT: mm [INCH] | Ⓟ            |

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