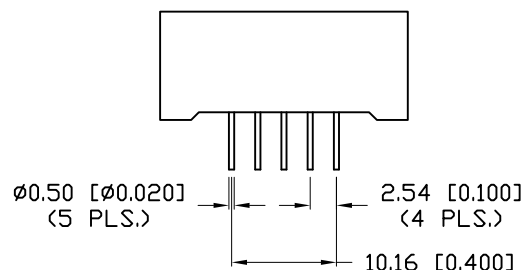
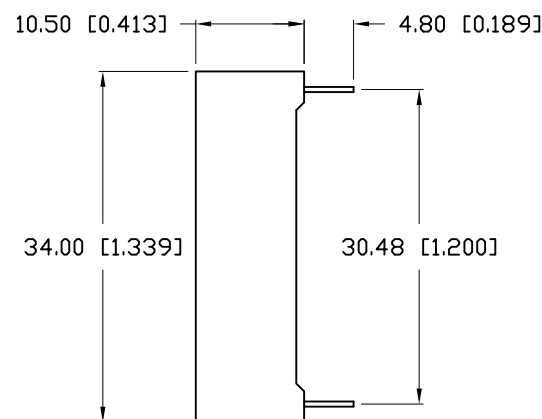
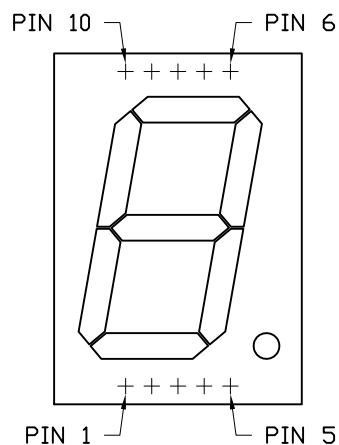
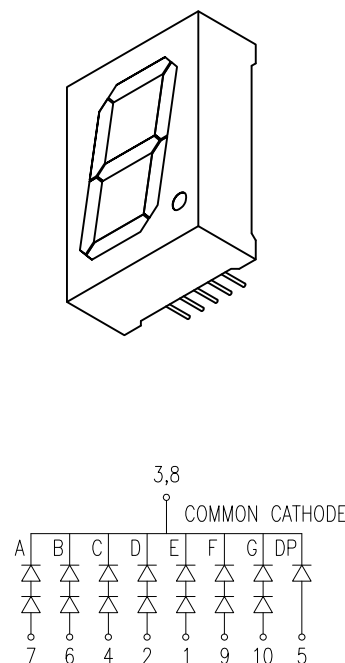
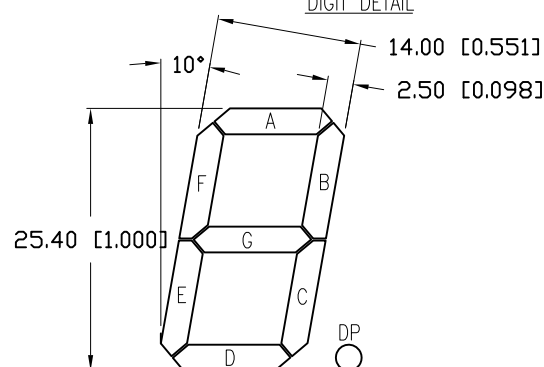


|             |                                     |      |      |
|-------------|-------------------------------------|------|------|
| PART NUMBER | LDS-CA18RI-S0                       | REV. | A    |
| DATE        | E.C.N. NUMBER AND REVISION COMMENTS |      | REV. |
| 03.06.13    | E.C.N. #10BRDR. & REDRAWN.          |      | A    |

A



DIGIT DETAIL

ELECTRO-OPTICAL CHARACTERISTICS  $T_A=25^\circ\text{C}$   $I_f=10\text{mA}$ 

| PARAMETER         | MIN                  | TYP     | MAX     | UNITS          | TEST COND            |
|-------------------|----------------------|---------|---------|----------------|----------------------|
| PEAK WAVELENGTH   |                      | 620     |         | nm             |                      |
| FORWARD VOLTAGE * |                      | 4.0/2.0 | 5.0/2.5 | $V_f$          |                      |
| REVERSE VOLTAGE   | 5.0                  |         |         | $V_r$          | $I_r=100\mu\text{A}$ |
| AXIAL INTENSITY   |                      | 18000   |         | $\mu\text{cd}$ | $I_f=10\text{mA}$    |
| EMITTED COLOR:    | ORANGE               |         |         |                |                      |
| FACE COLOR:       | GRAY                 |         |         |                |                      |
| SEGMENT COLOR:    | MILKY WHITE DIFFUSED |         |         |                |                      |

\* SECOND VALUE FOR SINGLE CHIP IN DECIMAL POINT.

LIMITS OF SAFE OPERATION AT  $25^\circ\text{C}$  PER CHIP

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

\*  $t < 10\mu\text{s}$ \*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=  $\begin{matrix} +\text{DECIMAL PRECISION} \\ -0.00 \end{matrix}$  MAX.=  $\begin{matrix} +0.00 \\ -\text{DECIMAL PRECISION} \end{matrix}$ 

UNCONTROLLED DOCUMENT



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1.0" SINGLE DIGIT SEVEN SEG DISP, 620nm ORANGE CHIPS, GRAY FACE WITH WHITE SEG, COMMON CATHODE, 10 PINS.

\*\*THE SPECIFICATIONS MAY CHANGE AT ANY TIME WITHOUT NOTICE DUE TO NEW MATERIALS OR PRODUCT IMPROVEMENT.\*\*

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|        |           |           |      |
|--------|-----------|-----------|------|
| DATE:  | 03.06.13  | DRAWN BY: | MA   |
| PAGE:  | 1 OF 1    | CHKD BY:  | KF   |
| SCALE: | NTS       | APRVD BY: | KF   |
| UNIT:  | mm [INCH] |           | (Pc) |