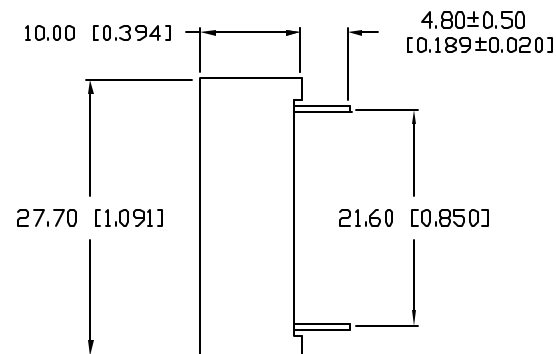
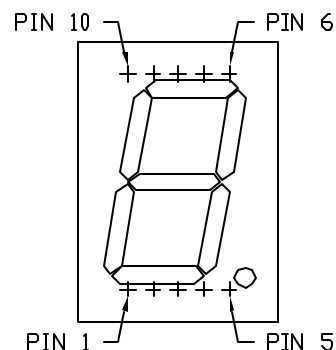
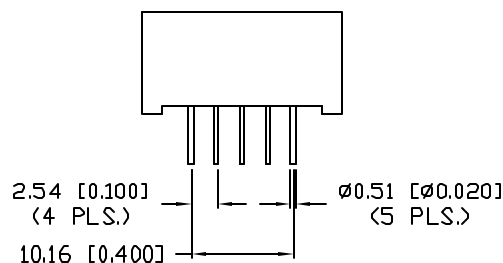
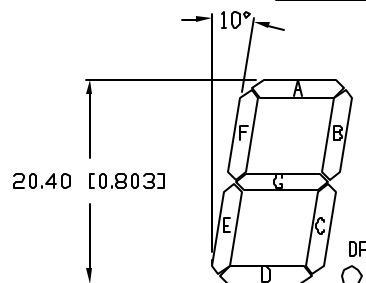


ELECTRO-OPTICAL CHARACTERISTICS  $T_A=25^\circ\text{C}$   $I_f=10\text{mA}$ 

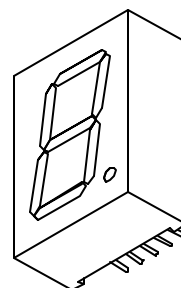
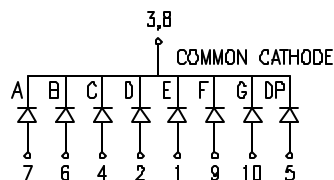
| PARAMETER       | MIN          | TYP  | MAX | UNITS          | TEST COND            |
|-----------------|--------------|------|-----|----------------|----------------------|
| PEAK WAVELENGTH |              | 635  |     | nm             |                      |
| FORWARD VOLTAGE |              | 2.0  | 2.5 | $V_f$          |                      |
| REVERSE VOLTAGE | 5.0          |      |     | $V_r$          | $I_r=100\mu\text{A}$ |
| AXIAL INTENSITY |              | 5600 |     | $\mu\text{cd}$ | $I_f=10\text{mA}$    |
| EMITTED COLOR:  | RED          |      |     |                |                      |
| FACE COLOR:     | BLACK        |      |     |                |                      |
| SEGMENT COLOR:  | RED DIFFUSED |      |     |                |                      |



## DIGIT DETAIL

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

| 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:  $X=\pm 1$  ( $\pm 0.039$ ),  $X.X=\pm 0.5$  ( $\pm 0.020$ ),  $X.XX=\pm 0.25$  ( $\pm 0.010$ ),  $X.XXX=\pm 0.127$  ( $\pm 0.005$ ). LEAD SIZE= $\pm 0.05$  ( $\pm 0.002$ ), LEAD LENGTH= $\pm 0.75$  ( $\pm 0.030$ ). MIN.= $\pm 0.00$  ( $\pm 0.000$ ), MAX.= $\pm 0.00$  ( $\pm 0.000$ ).

REV.

PART NUMBER

LDS-C8034RE

## CONFIDENTIAL INFORMATION

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## RELIABILITY NOTE

OUR MANY YEARS OF EXPERIENCE DATA ACCUMULATION INDICATE THAT SOLDER HEAT IS A MAJOR CAUSE OF EARLY AND FUTURE FAILURE. PLEASE PAY ATTENTION TO YOUR SOLDERING PROCESS.



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0.8" SINGLE DIGIT SEVEN SEGMENT DISPLAY,  
635nm RED CHIPS, BLACK FACE WITH RED SEGMENTS,  
COMMON CATHODE, 10 PINS.

DRAWN BY:

GT

CHECKED BY:

APPROVED BY:

DATE: 6.26.03

PAGE: 1 OF 1

SCALE: N/A