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|---------|-----------------------------|-----|
| DATE    | REVISIONS                   | REV |
| 4-22-98 | E.C.N. #10BRDR. & REDRAWN./ | A   |

|                |     |
|----------------|-----|
| DRAWING NUMBER | REV |
| LDD-C513RI     | A   |

UNCONTROLLED DOCUMENT

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

| PARAMETER       | MIN                  | TYP          | MAX | UNITS          | TEST COND              |
|-----------------|----------------------|--------------|-----|----------------|------------------------|
| PEAK WAVELENGTH |                      | 585 (YELLOW) |     | nm             |                        |
| FORWARD VOLTAGE |                      | 2.1          | 2.5 | $V_f$          |                        |
| REVERSE VOLTAGE | 5.0                  |              |     | $V_r$          | $I_r = 100\mu\text{A}$ |
| AXIAL INTENSITY |                      | 3900         |     | $\mu\text{cd}$ | $I_f = 10\text{mA}$    |
| EMITTED COLOR:  | YELLOW               |              |     |                |                        |
| FONT COLOR:     | GREY                 |              |     |                |                        |
| SEGMENT COLOR:  | MILKY WHITE DIFFUSED |              |     |                |                        |

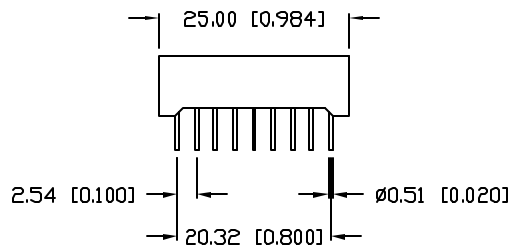
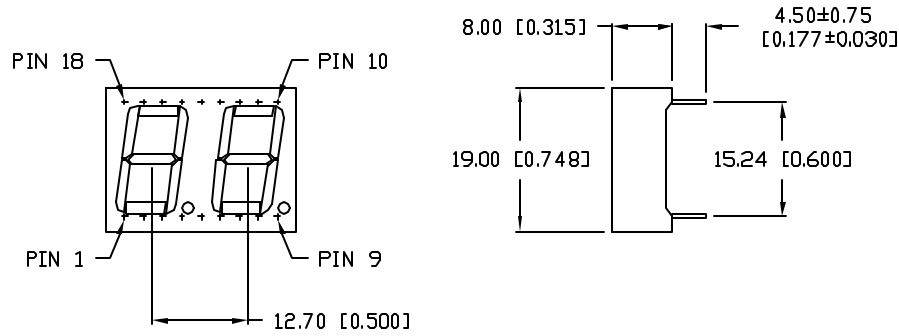
LIMITS OF SAFE OPERATION AT 25°C PER CHIP

| 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 |

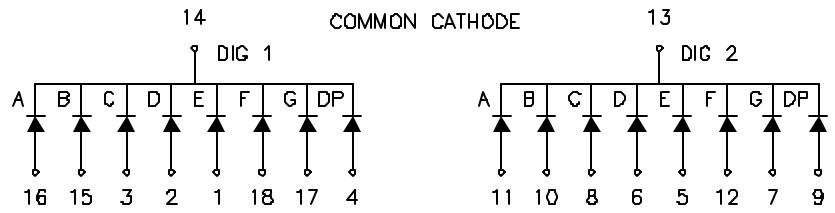
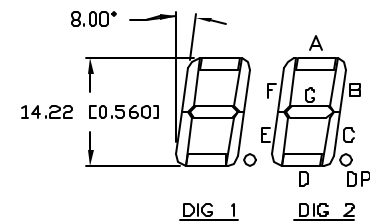
\*  $t < 10\mu\text{s}$

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.



DIGIT DETAIL



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UNLESS OTHERWISE SPECIFIED TOLERANCE IS  $\pm 0.25\text{mm}$  ( $\pm 0.010''$ )

DW



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|---------------|------|--------|-------|
| DATE: 1-16-97 | DWN: | CHK'D: | APPD: |
| SCALE: N/A    |      |        |       |

0.56" DUAL DIGIT, SEVEN SEGMENT DISPLAY, 585nm YELLOW, GREY FONT/WHITE SEGMENTS, COMMON CATHODE.

|             |                              |          |
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