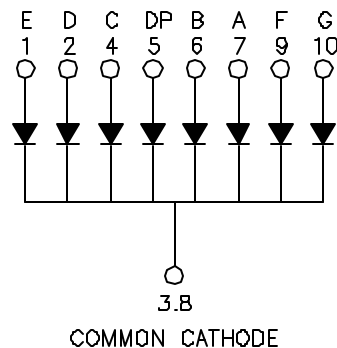
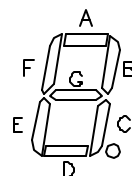
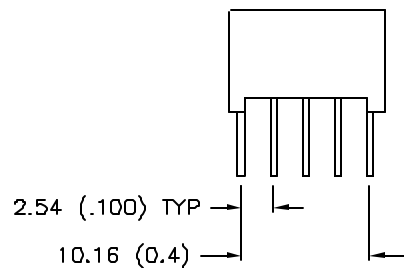
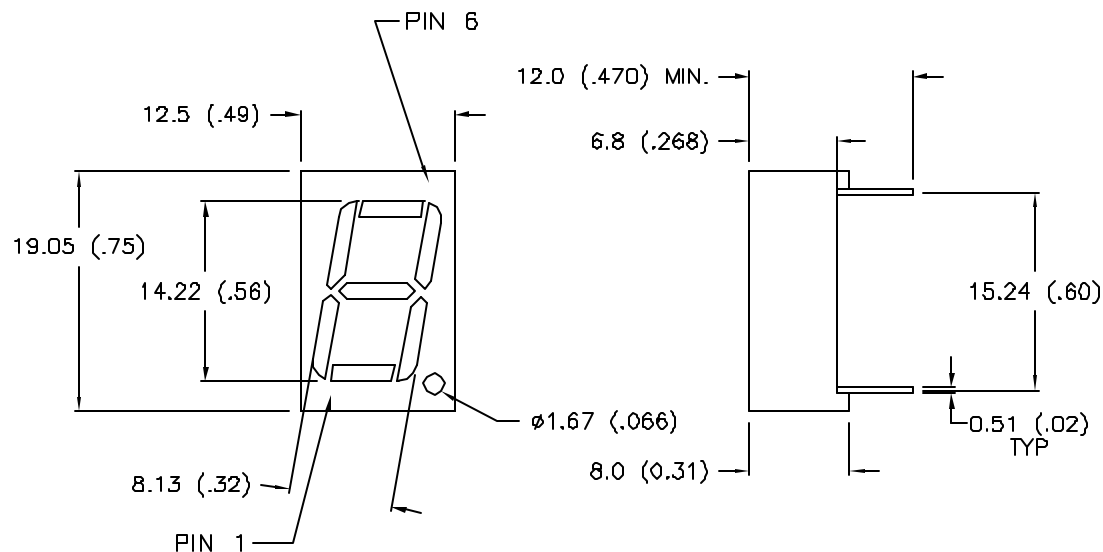


| DATE    | REVISIONS                                         | REV | DRAWING NUMBER | REV |
|---------|---------------------------------------------------|-----|----------------|-----|
| 7-21-95 | CORRECTED SEGMENT REPRESENTATION, UPDATED SPECS./ | A   | LDS-C513RI     | B   |
| 10-4-96 | E.C.N. #10255./                                   | B   |                |     |



| ELECTRO-OPTICAL CHARACTERISTICS $T_A = 25^\circ\text{C}$ $I_f = 20\text{mA}$ |                |              |     |       |                        |
|------------------------------------------------------------------------------|----------------|--------------|-----|-------|------------------------|
| PARAMETER                                                                    | MIN            | TYP          | MAX | UNITS | TEST COND              |
| PEAK WAVELENGTH                                                              |                | 585 (YELLOW) |     | nm    |                        |
| FORWARD VOLTAGE                                                              |                | 2.1          | 2.6 | $V_f$ |                        |
| REVERSE VOLTAGE                                                              | 5.0            |              |     | $V_r$ | $I_r = 100\mu\text{A}$ |
| AXIAL INTENSITY                                                              |                | 3900         |     | ucd   | $I_f = 10\text{mA}$    |
| EMITTED COLOR                                                                | YELLOW         |              |     |       |                        |
| EPOXY SEGMENT                                                                | WHITE DIFFUSED |              |     |       |                        |
| FONT COLOR                                                                   | GRAY           |              |     |       |                        |

| 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 $25^\circ\text{C}$                 | -1.6       | mW/ $^\circ\text{C}$ |
| OPERATING, STORAGE TEMP                        | -40 TO +85 | $^\circ\text{C}$     |
| LEAD SOLDERING TEMP                            | +260       | $^\circ\text{C}$     |
| 2.0mm FROM BODY                                |            | 3 SEC. MAX           |

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

**LUMEX**  
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|                |      |        |       |
|----------------|------|--------|-------|
| DATE: 11-18-92 | DWN: | CHK'D: | APPD: |
| SCALE: N/A     |      |        |       |

.56" SINGLE DIGIT, SEVEN SEGMENT DISPLAY,  
585nm, YELLOW

|             |                              |          |
|-------------|------------------------------|----------|
| PAGE 1 OF 1 | DRAWING NUMBER<br>LDS-C513RI | REV<br>B |
|-------------|------------------------------|----------|