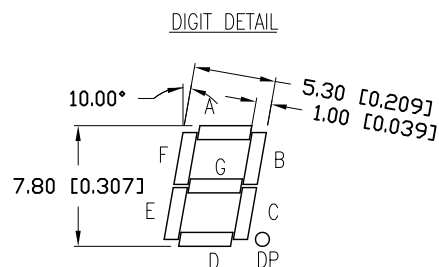
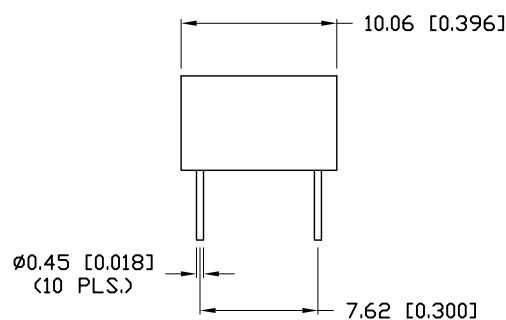
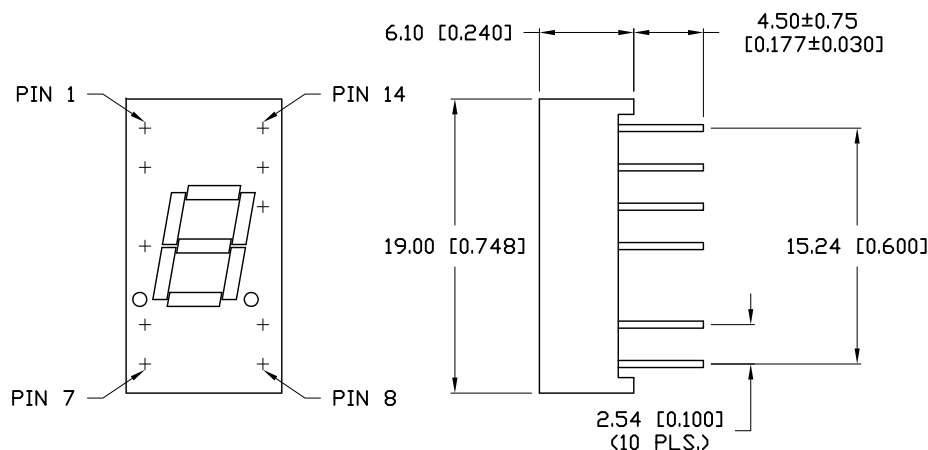
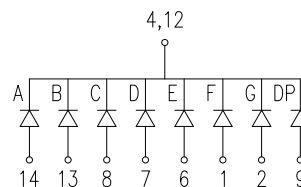


| PART NUMBER | LDS-C314R0                          | REV. | B |
|-------------|-------------------------------------|------|---|
| DATE        | E.C.N. NUMBER AND REVISION COMMENTS |      |   |
| 08.12.98    | E.C.N. #10BRDR. & REDRAWN.          |      |   |
| 03.20.13    | E.C.N. #10BRDR. & REDRAWN.          |      |   |
|             |                                     |      | A |



COMMON CATHODE



3, 5, 10, 11 NO PIN

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

| PARAMETER       | MIN          | TYP       | MAX | UNITS          | TEST COND            |
|-----------------|--------------|-----------|-----|----------------|----------------------|
| PEAK WAVELENGTH |              | 635 (RED) |     | 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:     | RED          |           |     |                |                      |
| SEGMENT COLOR:  | RED DIFFUSED |           |     |                |                      |

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

| 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.= +DECIMAL PRECISION MAX.= +0.00 -DECIMAL PRECISION

UNCONTROLLED DOCUMENT