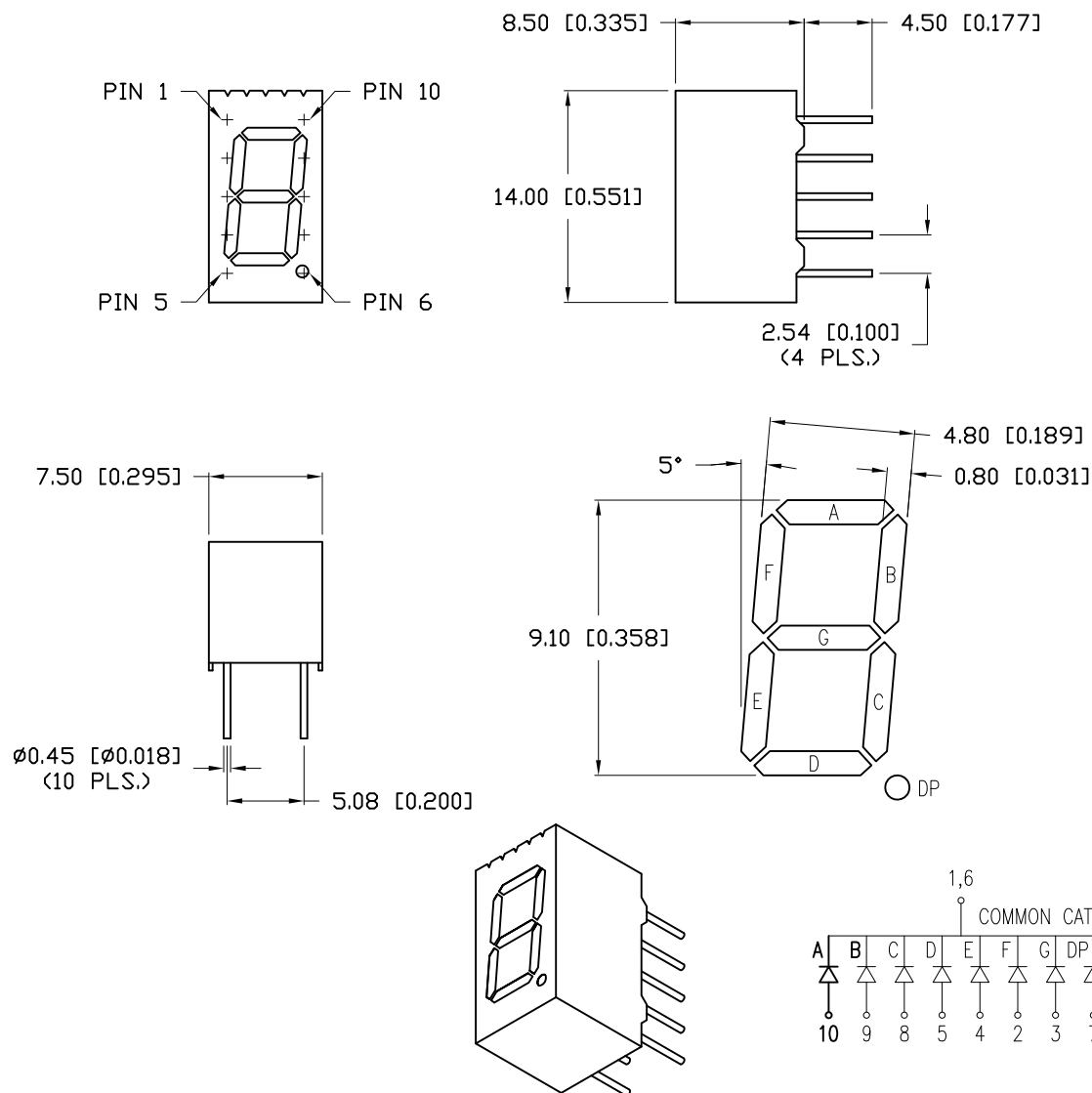


| PART NUMBER | LDS-C324R0                          | REV. | B    |
|-------------|-------------------------------------|------|------|
| DATE        | E.C.N. NUMBER AND REVISION COMMENTS |      | REV. |
| 03.23.03    | E.C.N. #10BRDR. & REDRAWN IN 3D.    |      | A    |
| 03.28.13    | E.C.N. #10BRDR. & REDRAWN.          |      | B    |

A

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 |              | 3500 |     | $\mu\text{cd}$ | $I_f=10\text{mA}$    |
| EMITTED COLOR:  | RED          |      |     |                |                      |
| FACE COLOR:     | RED          |      |     |                |                      |
| SEGMENT COLOR:  | RED DIFFUSED |      |     |                |                      |

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

| 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 | $^{\circ}\text{C}$     |
| 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=  $^{+0.00}_{-0.00}$  DECIMAL PRECISION MAX=  $^{+0.00}_{-0.00}$  DECIMAL PRECISION

UNCONTROLLED DOCUMENT

0.36" SEVEN SEG, LED DISPLAY, COMMON CATHODE, 635nm RED CHIPS, RED FACE WITH RED SEGMENTS.

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

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|        |           |           |    |
|--------|-----------|-----------|----|
| DATE:  | 03.28.13  | DRAWN BY: | MA |
| PAGE:  | 1 OF 1    | CHKD BY:  | DT |
| SCALE: | NTS       | APRVD BY: | DT |
| UNIT:  | mm [INCH] |           | Ⓢ  |