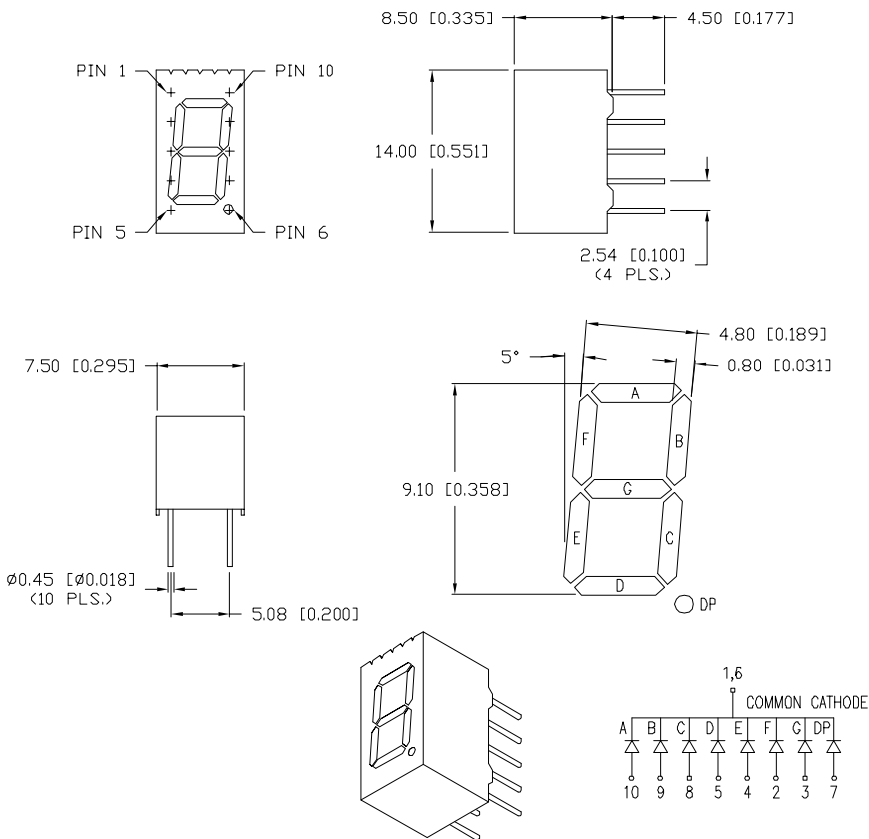


UNCONTROLLED DOCUMENT



|             |                                     |         |
|-------------|-------------------------------------|---------|
| PART NUMBER |                                     | REV.    |
| LDS-C325R0  |                                     | A       |
| REV.        | E.C.N. NUMBER AND REVISION COMMENTS | DATE    |
| A           | E.C.N. #10BRDR. & REDRAWN IN 3D.    | 3.23.03 |

| ELECTRO-OPTICAL CHARACTERISTICS $T_A=25^\circ\text{C}$ $I_f=10\text{mA}$ |              |     |     |                |                      |
|--|--------------|-----|-----|----------------|----------------------|
| PARAMETER  | MIN          | TYP | MAX | UNITS          | TEST COND            |
| PEAK WAVELENGTH  |              | 700 |     | nm             |                      |
| FORWARD VOLTAGE  |              | 2.0 | 2.5 | $V_f$          |                      |
| REVERSE VOLTAGE  | 5.0          |     |     | $V_r$          | $I_f=100\mu\text{A}$ |
| AXIAL INTENSITY  |              | 500 |     | $\mu\text{cd}$ | $I_f=10\text{mA}$    |
| EMITTED COLOR:   | RED          |     |     |                |                      |
| FACE COLOR:  | RED          |     |     |                |                      |
| SEGMENT COLOR:   | RED DIFFUSED |     |     |                |                      |

| LIMITS OF SAFE OPERATION AT 25°C PER DIE |            |            |
|--|------------|------------|
| PARAMETER                                | MAX        | UNITS      |
| PEAK FORWARD CURRENT*                    | 150        | mA         |
| STEADY CURRENT                           | 30         | mA         |
| POWER DISSIPATION                        | 105        | mW         |
| DERATE FROM 25°C                         | -1.6       | mW/°C      |
| OPERATING, STORAGE TEMP.                 | -40 TO +85 | °C         |
| SOLDERING TEMP.                          | +260       | °C         |
| 2.0mm FROM BODY                          |            | 3 SEC. MAX |

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

\*UNLESS OTHERWISE SPECIFIED TOLERANCES PER DECIMAL PRECISION ARE: X=±1 (±0.039), XX=±0.5 (±0.020), XXX=±0.25 (±0.010), XXXX=±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

|   |                           |
|---|---------------------------|
| REV.<br>A   | PART NUMBER<br>LDS-C325R0 |
| 0.36" SEVEN SEGMENT, LED DISPLAY, COMMON CATHODE,<br>700nm RED CHIPS, RED FACE WITH RED SEGMENTS. |                           |

**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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|                 |             |              |  |
|-----------------|-------------|--------------|--|
| DRAWN BY:<br>BC | CHECKED BY: | APPROVED BY: | DATE: 10.16.98<br>PAGE: 1 OF 1<br>SCALE: N/A |
|-----------------|-------------|--------------|--|