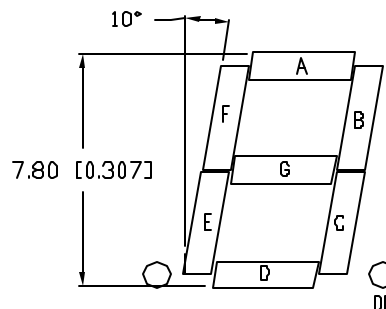
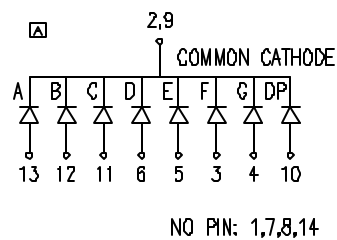
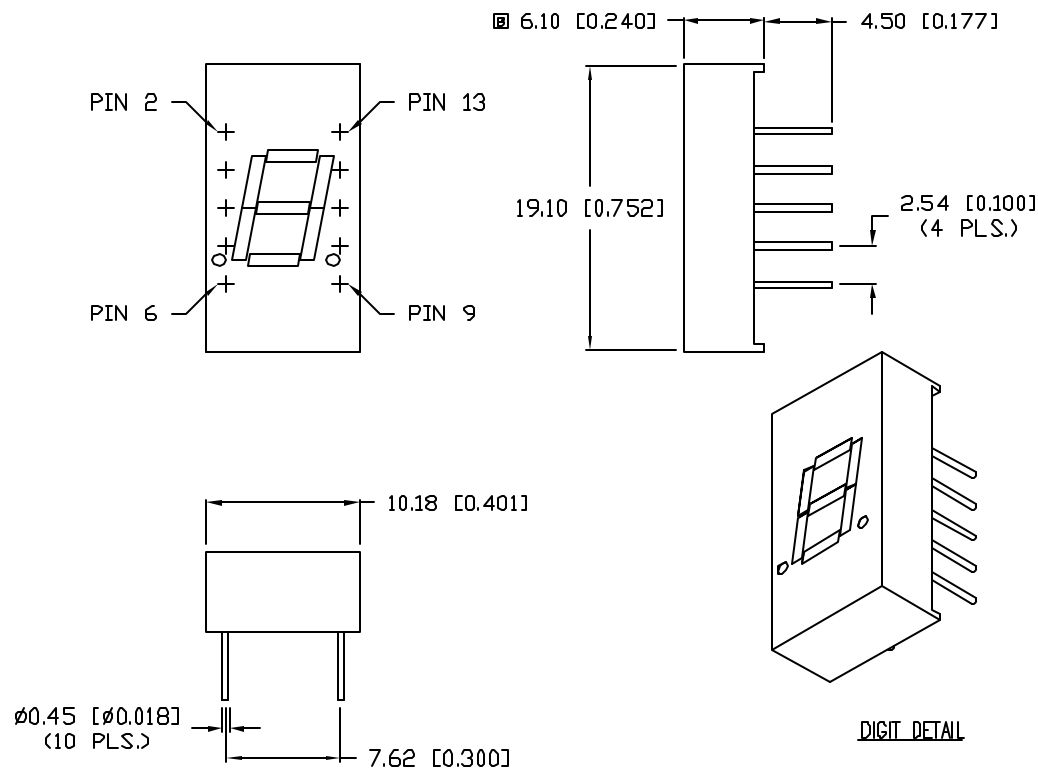


UNCONTROLLED DOCUMENT

PART NUMBER  
LDS-C304RI-SIREV.  
B

| REV. | E.C.N. NUMBER AND REVISION COMMENTS | DATE     |
|------|-------------------------------------|----------|
| A    | E.C.N. #11153                       | 7.21.04  |
| B    | E.C.N. #11193                       | 12.07.04 |

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

| PARAMETER       | MIN                  | TYP   | MAX | UNITS          | TEST COND            |
|-----------------|----------------------|-------|-----|----------------|----------------------|
| PEAK WAVELENGTH |                      | 636   |     | nm             |                      |
| FORWARD VOLTAGE |                      | 2.0   | 2.6 | V <sub>f</sub> |                      |
| REVERSE VOLTAGE | 5.0                  |       |     | V <sub>r</sub> | $I_r=100\mu\text{A}$ |
| AXIAL INTENSITY |                      | 13000 |     | $\mu\text{cd}$ | $I_f=10\text{mA}$    |
| EMITTED COLOR:  | RED                  |       |     |                |                      |
| FACE COLOR:     | GRAY                 |       |     |                |                      |
| 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         | -1.6       | mW/°C      |
| OPERATING, STORAGE TEMP. | -30 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), 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.=<sup>+DECIMAL PRECISION</sup>-0.00<sup>-DECIMAL PRECISION</sup>

REV.

B

PART NUMBER

LDS-C304RI-SI

## 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.



290 E. HELEN ROAD  
PALATINE, IL 60067-6976  
PHONE: +1.847.359.2790  
US WEB: www.lumex.com  
TW WEB: www.lumex.com.tw

0.30" SEVEN SEGMENT, LED DISPLAY, COMMON CATHODE,  
636nm RED CHIPS, GRAY FACE WITH WHITE SEGMENTS.

DRAWN BY:

BC

CHECKED BY:

APPROVED BY:

DATE: 1.18.03

PAGE: 1 OF 1

SCALE: N/A