

UNCONTROLLED DOCUMENT

(LX)

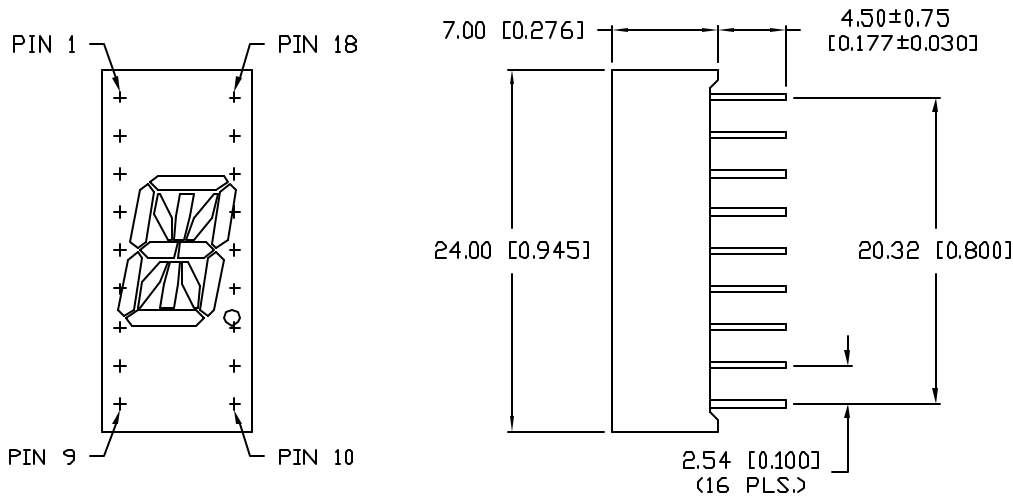
PART NUMBER

LDS-E3904RI

REV.

REV. | E.C.N. NUMBER AND REVISION COMMENTS

DATE



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

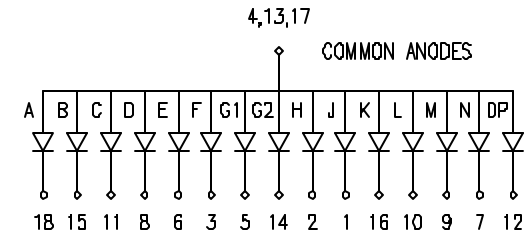
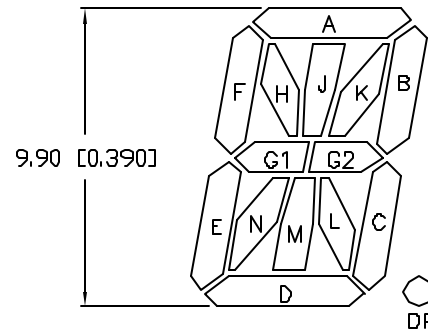
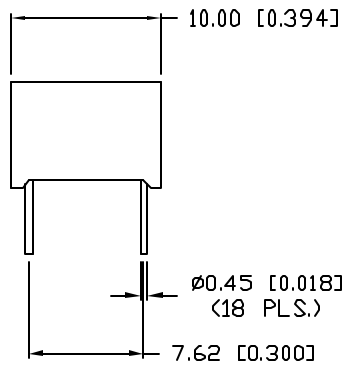
| PARAMETER       | MIN                  | TYP       | MAX | UNITS          | TEST COND             |
|-----------------|----------------------|-----------|-----|----------------|-----------------------|
| PEAK WAVELENGTH |                      | 635 (RED) |     | nm             |                       |
| FORWARD VOLTAGE |                      | 2.0       | 2.5 | V <sub>f</sub> |                       |
| REVERSE VOLTAGE | 5.0                  |           |     | V <sub>r</sub> | I <sub>r</sub> =100μA |
| AXIAL INTENSITY |                      | 5000      |     | μcd            | I <sub>f</sub> =10mA  |
| 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         | -1.2       | mW/°C |
| OPERATING, STORAGE TEMP. | -40 TO +85 | °C    |
| SOLDERING TEMP.          | +260       | °C    |
| 2.0mm FROM BODY          | 3 SEC. MAX |       |

\* t<10μs

DIGIT DETAIL



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\*UNLESS OTHERWISE SPECIFIED TOLERANCE IS ±0.25mm (±0.010")

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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.

**LUMEX**  
INCORPORATED

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|                 |             |              |              |
|-----------------|-------------|--------------|--------------|
| DRAWN BY:<br>DU | CHECKED BY: | APPROVED BY: | DATE: 3-1-99 |
|                 |             |              | PAGE: 1 OF 1 |
|                 |             |              | SCALE: N/A   |

0.39", SINGLE DIGIT, 14 SEGMENT ALPHANUMERIC DISPLAY,  
635nm RED, GRAY FACE, WHITE SEGMENTS, COMMON ANODE.