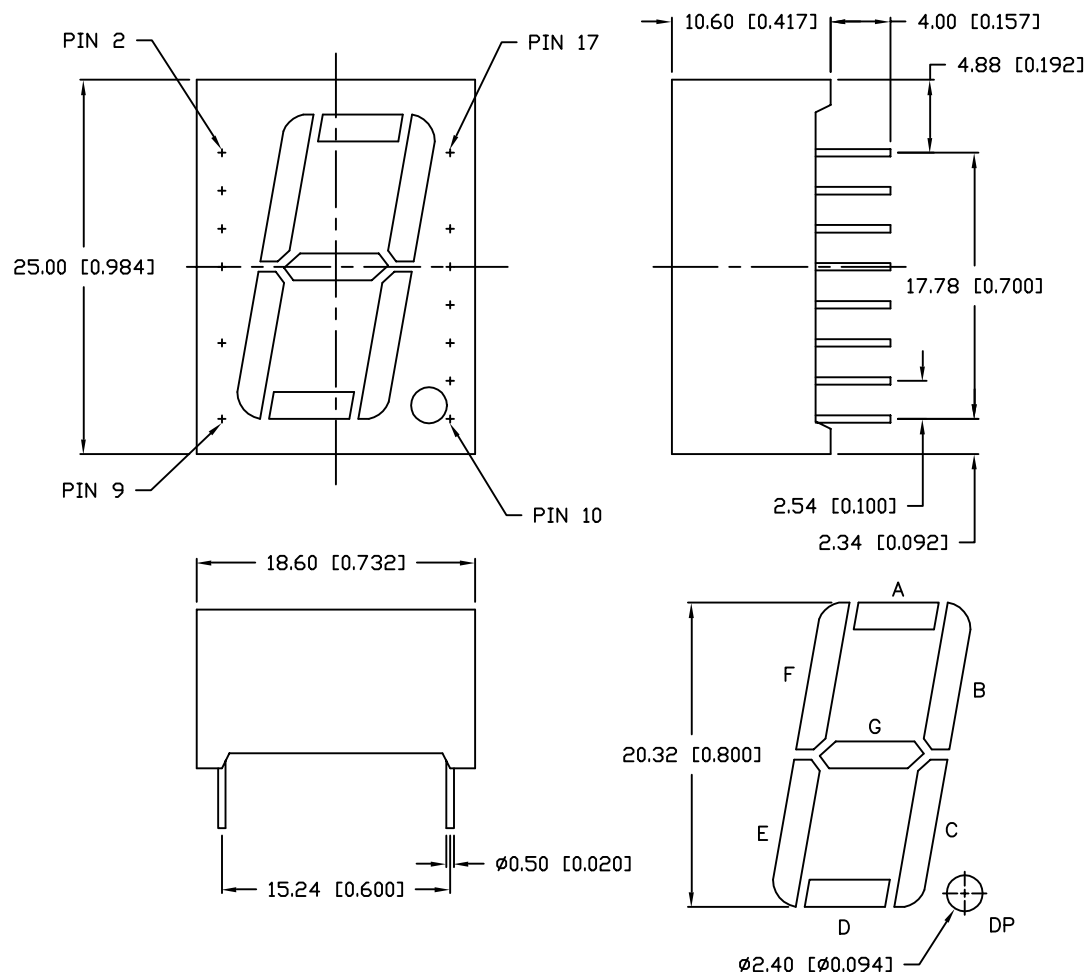
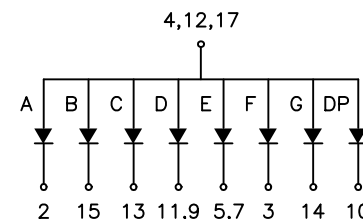


ELECTRO-OPTICAL CHARACTERISTICS  $T_A=25^{\circ}\text{C}$   $I_f=10\text{mA}$ 

| PARAMETER       | MIN                  | TYP    | MAX | UNITS          | TEST COND            |
|-----------------|----------------------|--------|-----|----------------|----------------------|
| PEAK WAVELENGTH |                      | 660    |     | nm             |                      |
| FORWARD VOLTAGE |                      | 1.8    | 2.3 | $V_f$          |                      |
| REVERSE VOLTAGE | 4.0                  |        |     | $V_r$          | $I_r=100\mu\text{A}$ |
| AXIAL INTENSITY |                      | 24,000 |     | $\mu\text{cd}$ | $I_f=10\text{mA}$    |
| EMITTED COLOR:  | SUPER RED            |        |     |                |                      |
| FACE COLOR:     | GRAY                 |        |     |                |                      |
| SEGMENT COLOR:  | MILKY WHITE DIFFUSED |        |     |                |                      |

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

| PARAMETER                        | MAX        | UNITS                        |
|----------------------------------|------------|------------------------------|
| PEAK FORWARD CURRENT*            | 150        | mA                           |
| STEADY CURRENT                   | 30         | mA                           |
| POWER DISSIPATION                | 100        | mW                           |
| DERATE FROM $25^{\circ}\text{C}$ | -1.2       | $\text{mW}/^{\circ}\text{C}$ |
| OPERATING, STORAGE TEMP.         | -20 TO +85 | $^{\circ}\text{C}$           |
| SOLDERING TEMP.                  | +260       | $^{\circ}\text{C}$           |
| 2.0mm FROM BODY                  | 3 SEC. MAX |                              |

\*  $t < 10\mu\text{s}$ COMMON ANODE  
NOTE: NO PIN 1,6,8,16,18

\*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

REV.

PART NUMBER  
LDS-A8026R1

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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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0.80" SEVEN SEGMENT DISPLAY, 660nm SUPER RED,  
GRAY FONT/WHITE SEGMENTS, COMMON ANODE.

DRAWN BY:

SK

CHECKED BY:

APPROVED BY:

DATE: 5-24-00

PAGE: 1 OF 1

SCALE: N/A