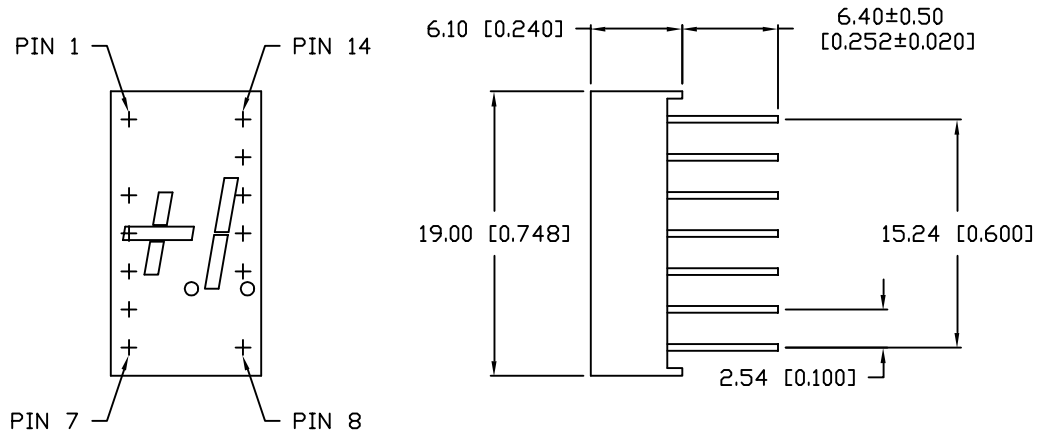
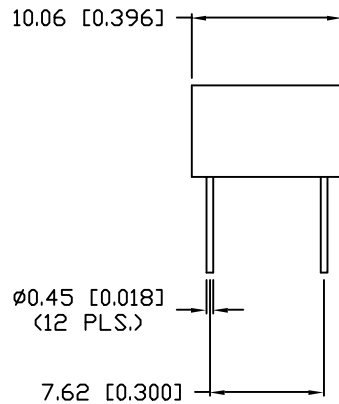
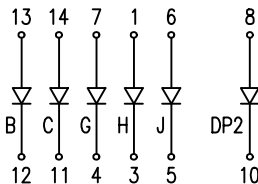
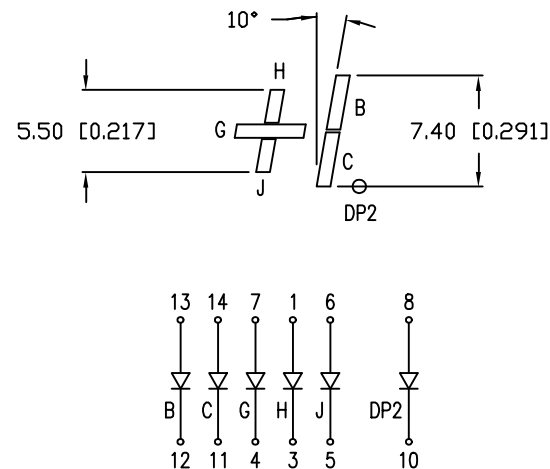


ELECTRO-OPTICAL CHARACTERISTICS  $T_A=25^\circ\text{C}$   $I_f=10\text{mA}$ 

| PARAMETER       | MIN                  | TYP       | MAX | UNITS          | TEST COND            |
|-----------------|----------------------|-----------|-----|----------------|----------------------|
| PEAK WAVELENGTH |                      | 660 (RED) |     | nm             |                      |
| FORWARD VOLTAGE |                      | 1.8       | 2.3 | $V_f$          |                      |
| REVERSE VOLTAGE | 5.0                  |           |     | $V_r$          | $I_r=100\mu\text{A}$ |
| AXIAL INTENSITY |                      | 9600      |     | $\mu\text{cd}$ | $I_f=10\text{mA}$    |
| EMITTED COLOR:  | RED                  |           |     |                |                      |
| FACE COLOR:     | GRAY                 |           |     |                |                      |
| SEGMENT COLOR:  | MILKY WHITE DIFFUSED |           |     |                |                      |



## DIGIT DETAIL



NO PIN: 2 AND 9

\*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

## LIMITS OF SAFE OPERATION AT 25°C PER DIE

| PARAMETER                | MAX        | UNITS |
|--------------------------|------------|-------|
| PEAK FORWARD CURRENT*    | 150        | mA    |
| STEADY CURRENT           | 30         | mA    |
| POWER DISSIPATION        | 100        | 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 |       |

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

REV.

PART NUMBER  
LDF-U3006RI

## 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.

**LUMEX**  
INCORPORATED

290 E. HELLEN ROAD  
PALATINE, ILLINOIS 60067  
PHONE: (847) 359-2790  
WEB: <http://www.lumex.com>

|           |             |              |               |
|-----------|-------------|--------------|---------------|
| DRAWN BY: | CHECKED BY: | APPROVED BY: | DATE: 4-19-00 |
| SK        |             |              | PAGE: 1 OF 1  |
|           |             |              | SCALE: N/A    |

0.30" SINGLE DIGIT OVERFLOW DISPLAY,  
660nm SUPER RED CHIPS, WHITE DIFFUSED SEGMENTS,  
GRAY FACE, DIRECT DRIVE, RIGHT DECIMAL POINT.