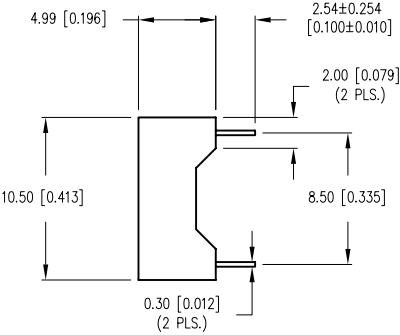
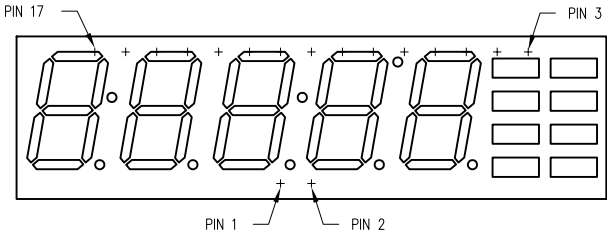


|             |                                     |      |      |
|-------------|-------------------------------------|------|------|
| PART NUMBER | LDP-M3004RI                         | REV. | B    |
| DATE        | E.C.N. NUMBER AND REVISION COMMENTS |      | REV. |
| 03.10.03    | E.C.N. #10965.                      |      | A    |
| 10.13.11    | E.C.N. #10BRDR.                     |      | B    |

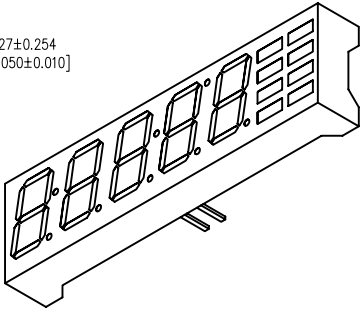
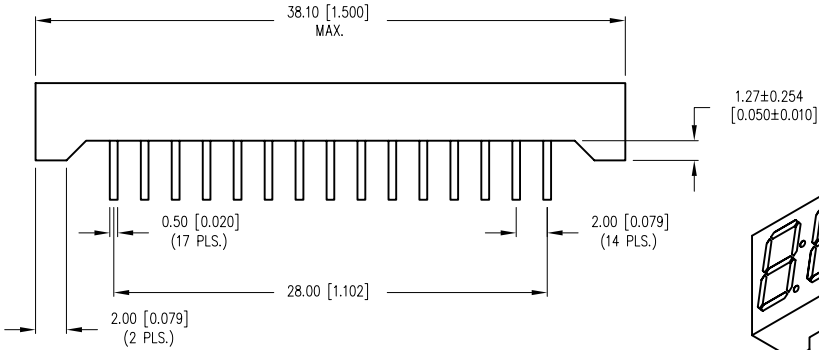


| ELECTRO-OPTICAL CHARACTERISTICS $\lambda = 25^{\circ}\text{C}$ $I_f = 10\text{mA}$ |                      |      |      |                |                        |
|------------------------------------------------------------------------------------|----------------------|------|------|----------------|------------------------|
| PARAMETER                                                                          | MIN                  | TYP  | MAX  | UNITS          | TEST COND              |
| PEAK WAVELENGTH                                                                    | 625                  | 635  | 645  | nm             |                        |
| FORWARD VOLTAGE                                                                    |                      | 2.0  | 2.5  | $V_f$          |                        |
| REVERSE VOLTAGE                                                                    | 5.0                  |      |      | $V_r$          | $I_r = 100\mu\text{A}$ |
| AXIAL INTENSITY                                                                    | 2000                 | 3000 | 4500 | $\mu\text{cd}$ | $I_f = 10\text{mA}$    |
| EMITTED COLOR:                                                                     | RED                  |      |      |                |                        |
| FACE COLOR:                                                                        | GRAY                 |      |      |                |                        |
| SEGMENT COLOR:                                                                     | MILKY WHITE DIFFUSED |      |      |                |                        |

LIMITS OF SAFE OPERATION AT 25°C PER DIE

| 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 |

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



\*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=  $\frac{+0.00}{-0.00}$  DECIMAL PRECISION MAX.=  $\frac{+0.00}{-0.00}$  DECIMAL PRECISION UNCONTROLLED DOCUMENT

|                                                                                                                                             |                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |                                                                                            |                |              |
|---------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------|----------------|--------------|
|  <b>LUMEX</b><br>Creating LED and LCD Solutions Together™ | 290 E. HELEN ROAD<br>PALATINE, IL 60067-6976<br>PHONE: +1.847.359.2790<br>FAX: +1.847.359.6538<br>WEB: WWW.LUMEX.COM                                                                                                                                                                                                                                                                                                                                                         | 0.3" FIVE DIGIT, 7 SGM, CUSTOM LED DISPLAY, 635nm, GRAY FACE WHITE SEGMENTS, COMMON ANODE. | DATE: 10.13.11 | DRAWN BY: AB |
|                                                                                                                                             | **THE SPECIFICATIONS MAY CHANGE AT ANY TIME WITHOUT NOTICE DUE TO NEW MATERIALS OR PRODUCT IMPROVEMENT.**<br><br>CONFIDENTIAL INFORMATION<br>THE INFORMATION CONTAINED IN THIS DOCUMENT IS THE PROPERTY OF LUMEX INC. EXCEPT AS SPECIFICALLY AUTHORIZED IN WRITING BY LUMEX INC., THE HOLDER OF THIS DOCUMENT SHALL<br>KEEP ALL INFORMATION CONTAINED HEREIN CONFIDENTIAL AND SHALL PROTECT SAME IN WHOLE OR IN PART FROM DISCLOSURE AND DISSEMINATION TO ALL THIRD PARTIES. | PAGE: 1 OF 2                                                                               | CHKD BY: SS    |              |
|                                                                                                                                             |                                                                                                                                                                                                                                                                                                                                                                                                                                                                              | SCALE: NTS                                                                                 | APRVD BY: KF   |              |
|                                                                                                                                             |                                                                                                                                                                                                                                                                                                                                                                                                                                                                              | UNIT: mm [INCH]                                                                            | Ⓟ              |              |