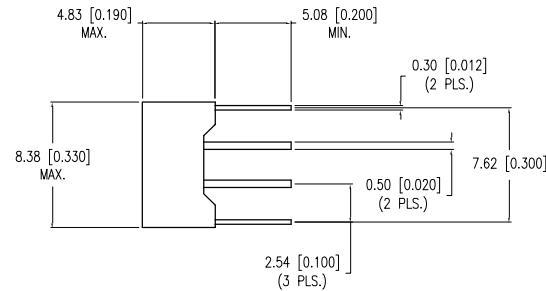
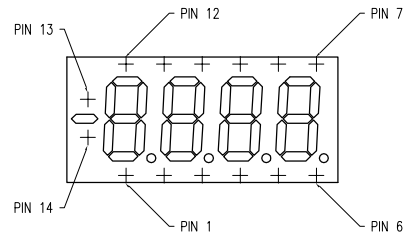


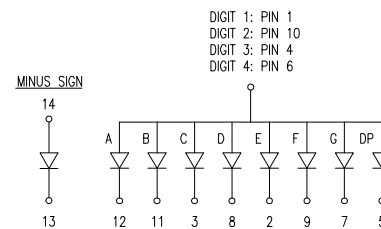
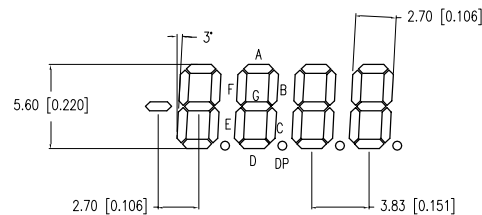
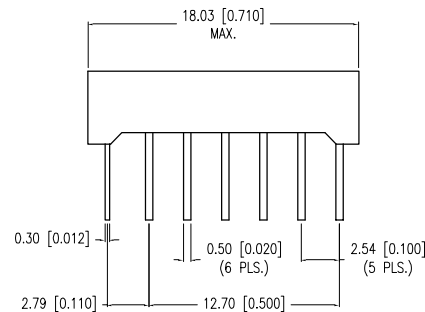
|             |                                     |      |   |
|-------------|-------------------------------------|------|---|
| PART NUMBER | LDQ-M2218RI-SO                      | REV. | A |
| DATE        | E.C.N. NUMBER AND REVISION COMMENTS | REV. |   |
| 06.03.10    | E.C.N. #11646.                      | A    |   |

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

| PARAMETER       | MIN                  | TYP    | MAX | UNITS          | TEST COND            |
|-----------------|----------------------|--------|-----|----------------|----------------------|
| PEAK WAVELENGTH |                      | 620    |     | nm             |                      |
| FORWARD VOLTAGE |                      | 2.0    | 2.5 | $V_f$          |                      |
| REVERSE VOLTAGE | 5.0                  |        |     | $V_r$          | $I_r=100\mu\text{A}$ |
| AXIAL INTENSITY |                      | 15,000 |     | $\mu\text{cd}$ | $I_f=10\text{mA}$    |
| EMITTED COLOR:  | ORANGE               |        |     |                |                      |
| 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              | 105        | mW                         |
| DERATE FROM $25^\circ\text{C}$ | -1.2       | $\text{mW}/^\circ\text{C}$ |
| OPERATING, STORAGE TEMP.       | -40 TO +85 | $^\circ\text{C}$           |
| SOLDERING TEMP.                | +260       | $^\circ\text{C}$           |
| 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=+DECIMAL PRECISION MAX.=+0.00-DECIMAL PRECISION

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0.22" QUAD DISPLAY WITH MINUS SIGN, COMMON ANODE, 620nm ORANGE, MILKY WHITE DIFFUSED GRAY FACE.

\*\*THE SPECIFICATIONS MAY CHANGE AT ANY TIME WITHOUT NOTICE DUE TO NEW MATERIALS OR PRODUCT IMPROVEMENT.\*\*

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UNCONTROLLED DOCUMENT

|        |           |           |     |
|--------|-----------|-----------|-----|
| DATE:  | 10.02.03  | DRAWN BY: | CT  |
| PAGE:  | 1 OF 1    | CHKD BY:  | KF  |
| SCALE: | N/A       | APRVD BY: | SS  |
| UNIT:  | mm [INCH] |           | (R) |