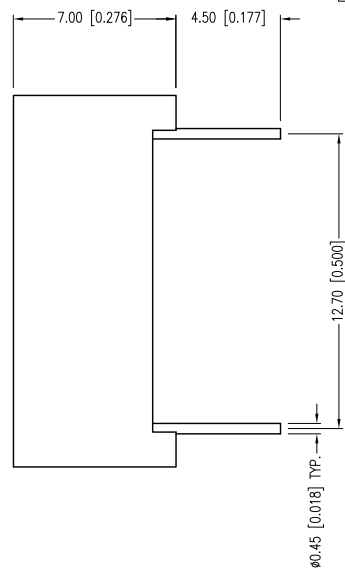
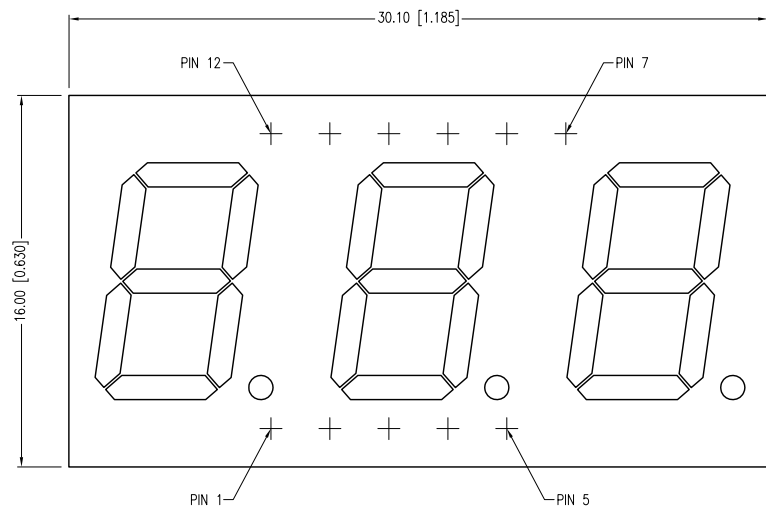


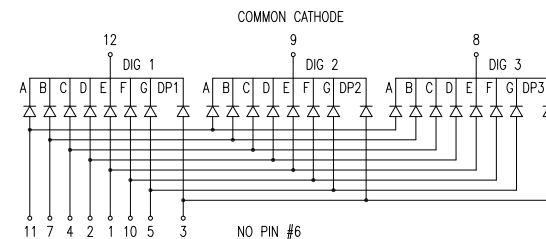
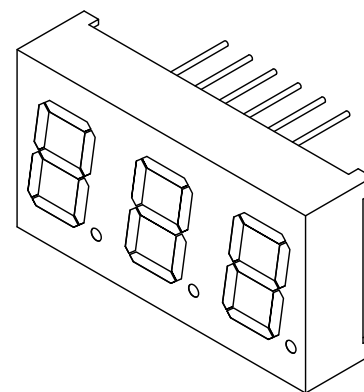
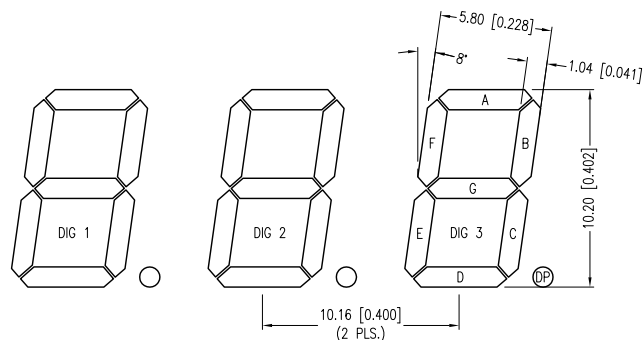
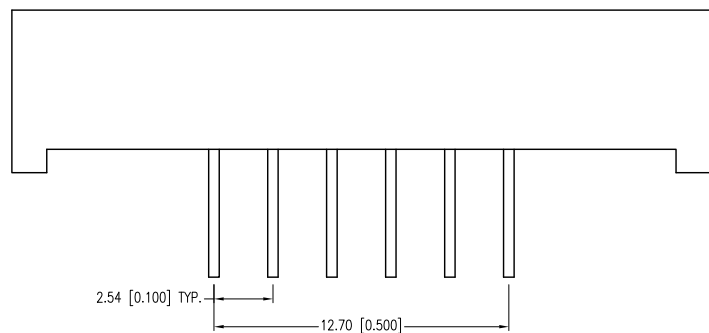
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|-------------|-------------------------------------|------|------|
| PART NUMBER | LDT-N4006R1                         | REV. | A    |
| DATE        | E.C.N. NUMBER AND REVISION COMMENTS |      | REV. |
| 07.31.12    | E.C.N. #10BRDR. & REDRAWN.          |      | A    |

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 <sub>f</sub> |                             |
| REVERSE VOLTAGE | 5.0                  |      |     | V <sub>r</sub> | I <sub>r</sub> =100 $\mu$ A |
| AXIAL INTENSITY |                      | 9800 |     | $\mu\text{cd}$ | I <sub>f</sub> =10mA        |
| EMITTED COLOR:  | RED                  |      |     |                |                             |
| FACE COLOR:     | GRAY                 |      |     |                |                             |
| LENS FINISH:    | 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     | 100        | mW    |
| DERATE FROM 25°C      | -1.2       | mW/°C |
| OPERATING TEMP.       | -20 TO +85 | °C    |
| STORAGE TEMP.         | -20 TO +85 | °C    |
| SOLDERING TEMP.       | +260       | °C    |
| 2.0mm FROM BODY       | 3          | SEC.  |

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

\*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= <sup>+DECIMAL PRECISION</sup> <sub>-0.00</sub> MAX= <sup>+DECIMAL PRECISION</sup> <sub>-0.00</sub>

UNCONTROLLED DOCUMENT



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QUASARBRITE 0.40" 3 DIGIT 7 SGM DISPLAY, 660nm RED, COMMON CATHODE, MULTIPLEXED.

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

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|        |           |           |    |
|--------|-----------|-----------|----|
| DATE:  | 07.31.12  | DRAWN BY: | AB |
| PAGE:  | 1 OF 1    | CHKD BY:  | SS |
| SCALE: | NTS       | APRVD BY: | SS |
| UNIT:  | mm [INCH] |           | Ⓢ  |