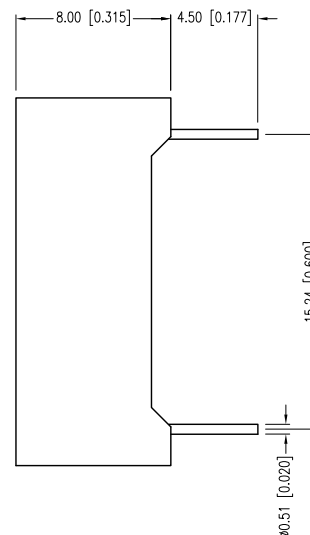
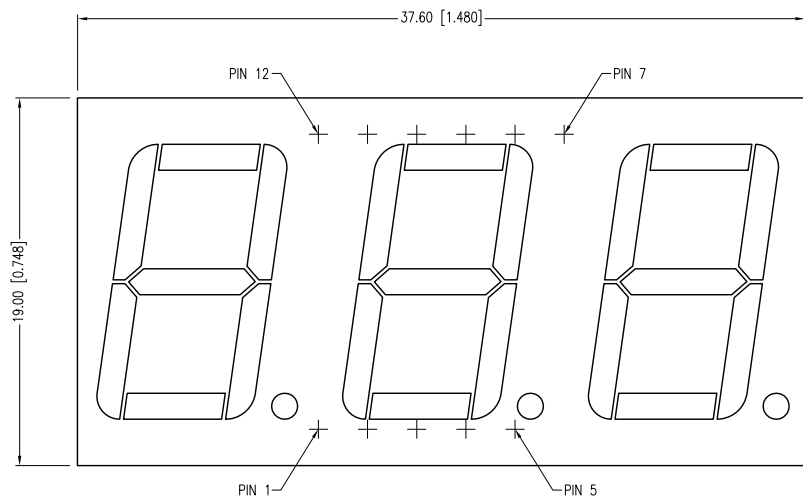


|             |                                     |      |      |
|-------------|-------------------------------------|------|------|
| PART NUMBER | LDT-N513RI-SY                       | REV. | A    |
| DATE        | E.C.N. NUMBER AND REVISION COMMENTS |      | REV. |
| 07.27.12    | E.C.N. #10BRDR. & REDRAWN.          |      | A    |



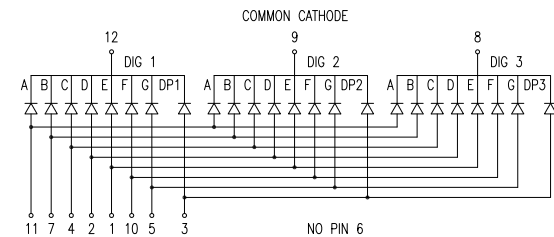
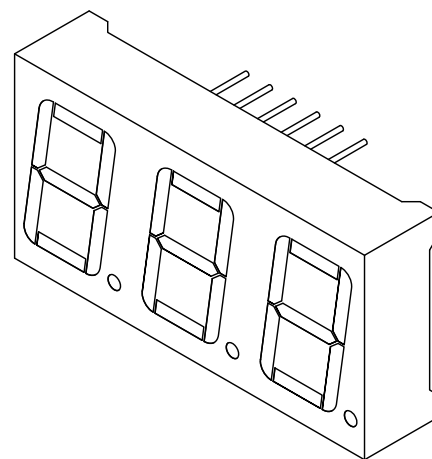
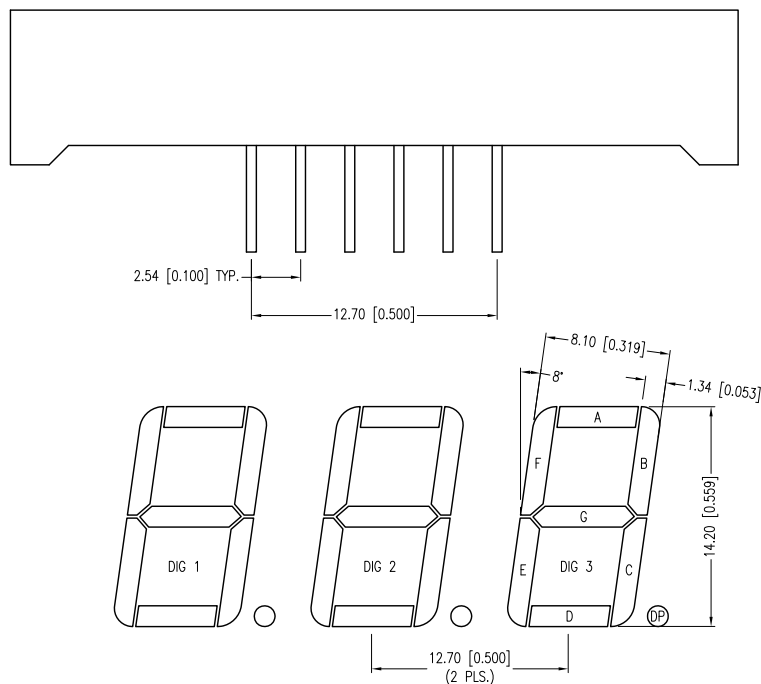
## ELECTRO-OPTICAL CHARACTERISTICS Ta=25°C If=10mA

| PARAMETER       | MIN                  | TYP    | MAX | UNITS | TEST COND |
|-----------------|----------------------|--------|-----|-------|-----------|
| PEAK WAVELENGTH |                      | 590    |     | nm    |           |
| FORWARD VOLTAGE |                      | 2.0    | 2.5 | Vf    |           |
| REVERSE VOLTAGE | 5.0                  |        |     | Vr    | Ir=100µA  |
| AXIAL INTENSITY |                      | 15,000 |     | µcd   | If=10mA   |
| EMITTED COLOR:  | YELLOW               |        |     |       |           |
| FACE COLOR:     | GRAY                 |        |     |       |           |
| LENS FINISH:    | MILKY WHITE DIFFUSED |        |     |       |           |

## LIMITS OF SAFE OPERATION AT 25°C

| 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 TEMP.       | -40 TO +85 | °C    |
| STORAGE TEMP.         | -40 TO +85 | °C    |
| SOLDERING TEMP.       | +260       | °C    |
| 2.0mm FROM BODY       | 3          | SEC.  |

\* t&lt;10µS



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

UNCONTROLLED DOCUMENT



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QUASARBRITE 0.56" 3 DIGIT, 7 SGM LED DISPLAY, 590nm YELLOW, COMMON CATHODE, MULTIPLEXED.

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

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|        |           |           |    |
|--------|-----------|-----------|----|
| DATE:  | 07.27.12  | DRAWN BY: | AB |
| PAGE:  | 1 OF 1    | CHKD BY:  | SS |
| SCALE: | NTS       | APRVD BY: | SS |
| UNIT:  | mm [INCH] |           | Ⓟ  |