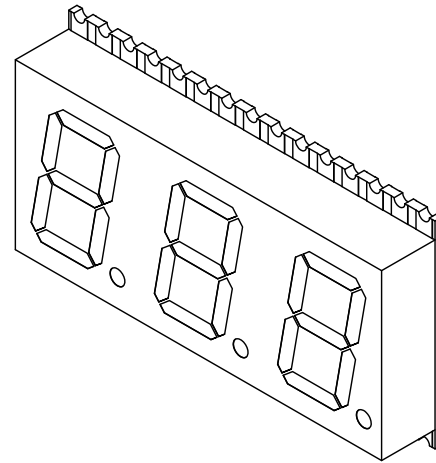
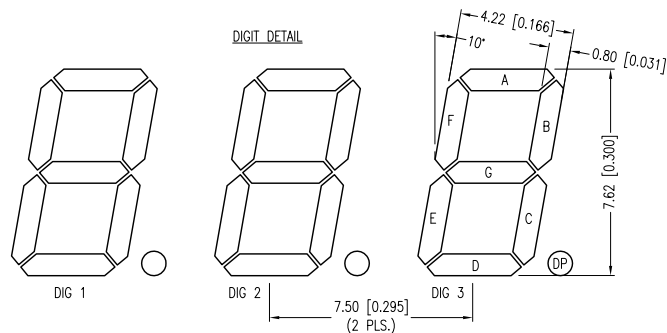
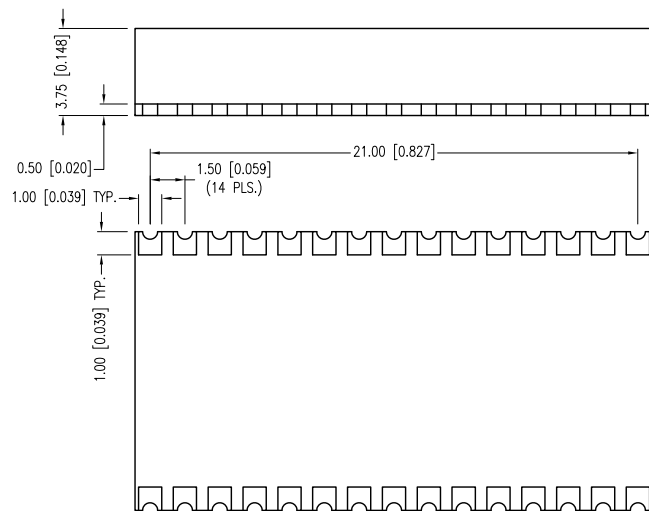
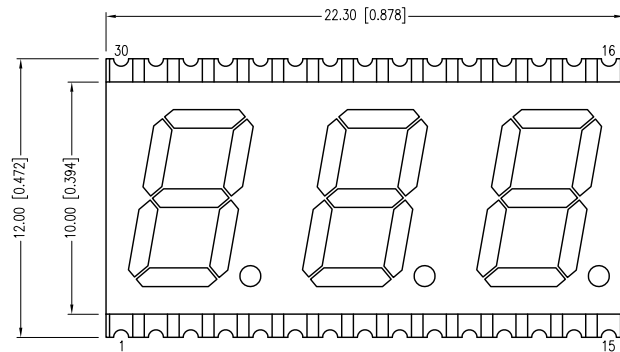


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|-------------|-------------------------------------|------|------|
| PART NUMBER | LDT-SMA3003RI-SYTR                  | REV. | A    |
| DATE        | E.C.N. NUMBER AND REVISION COMMENTS |      | REV. |
| 08.15.12    | E.C.N. #10BRDR. & REDRAWN.          |      | A    |



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

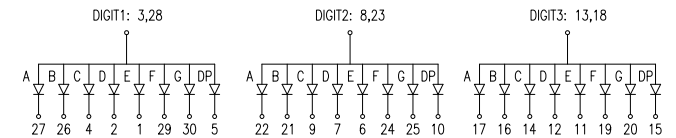
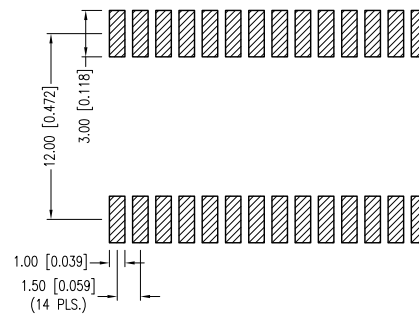
| PARAMETER       | MIN                  | TYP    | MAX | UNITS | TEST COND |
|-----------------|----------------------|--------|-----|-------|-----------|
| PEAK WAVELENGTH |                      | 590    |     | nm    |           |
| FORWARD VOLTAGE |                      | 2.0    | 2.5 | Vf    |           |
| REVERSE VOLTAGE | 5.0                  |        |     | Vr    | Ir=100μA  |
| AXIAL INTENSITY |                      | 15,000 |     | μcd   | If=10mA   |
| EMITTED COLOR:  | YELLOW               |        |     |       |           |
| FACE COLOR:     | GRAY                 |        |     |       |           |
| SEGMENT COLOR:  | 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     | 105        | mW    |
| DERATE FROM 25°C      | -1.2       | mW/°C |
| OPERATING TEMP.       | -40 TO +85 | °C    |
| STORAGE TEMP.         | -40 TO +85 | °C    |

\* t&lt;10μS

## RECOMMENDED SOLDER PAD LAYOUT



\*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.= +DECIMAL PRECISION -0.00

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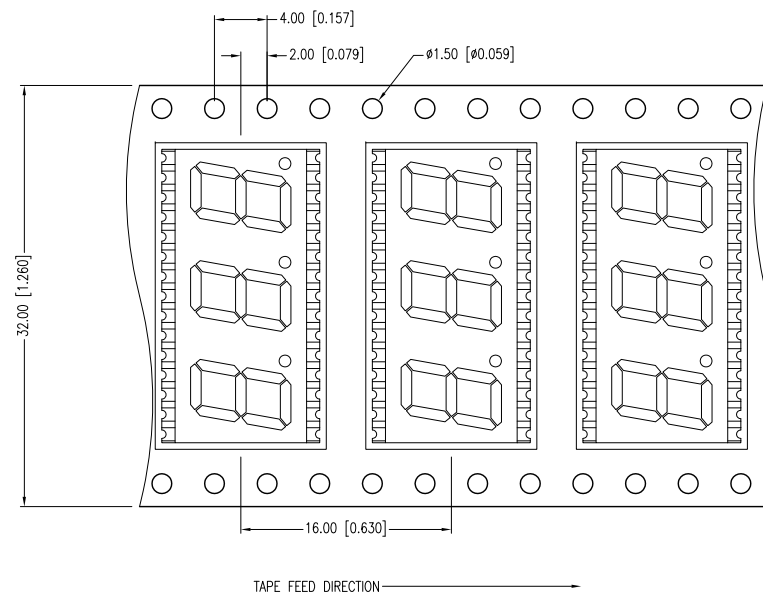
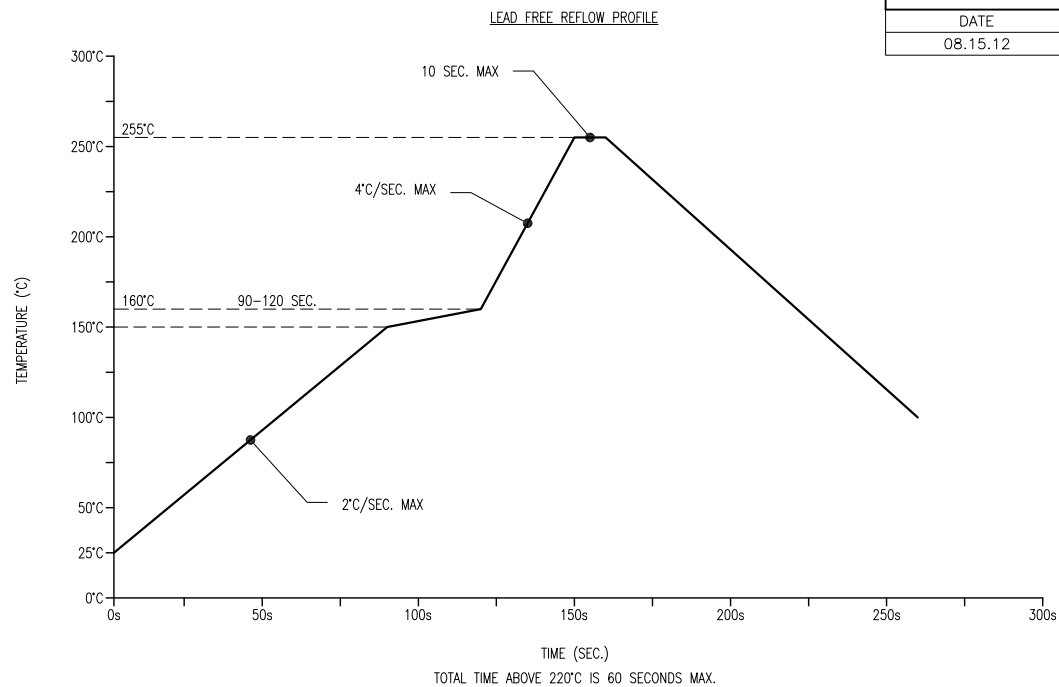
QUASARBRITE 0.30" 3 DIGIT 7 SGMT DISPLAY, 590nm YELLOW, COMMON ANODE.

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

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|--------|-----------|-----------|----|
| DATE:  | 08.15.12  | DRAWN BY: | AB |
| PAGE:  | 1 OF 2    | CHKD BY:  | SS |
| SCALE: | NTS       | APRVD BY: | SS |
| UNIT:  | mm [INCH] |           | Ⓢ  |

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|-------------|-------------------------------------|------|------|
| PART NUMBER | LDT-SMA3003RI-SYTR                  | REV. | A    |
| DATE        | E.C.N. NUMBER AND REVISION COMMENTS |      | REV. |
| 08.15.12    | E.C.N. #10BRDR. & REDRAWN.          |      | A    |



## NOTES:

1. 800 PCS PER REEL.

\*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=  $\begin{matrix} +\text{DECIMAL PRECISION} \\ -0.00 \end{matrix}$  MAX.=  $\begin{matrix} +0.00 \\ -\text{DECIMAL PRECISION} \end{matrix}$

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| UNIT:  | mm [INCH] |           | Ⓟ  |