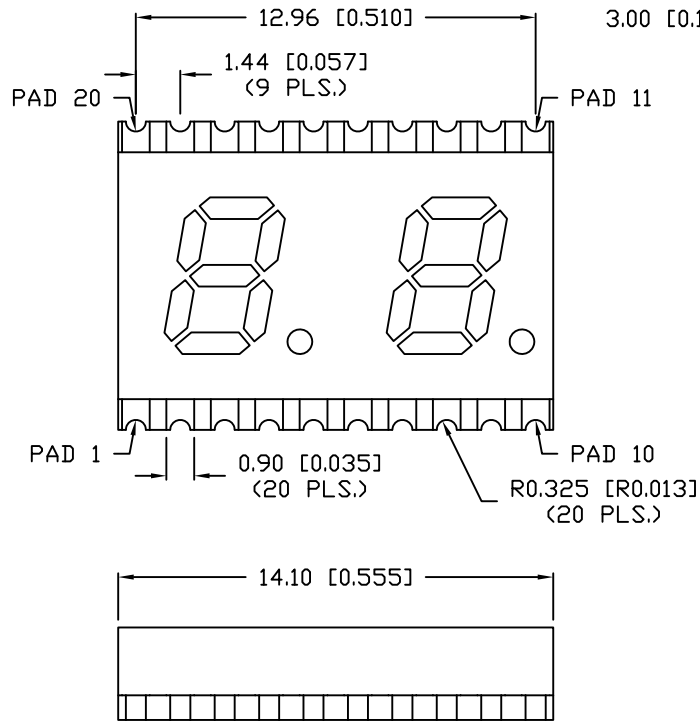
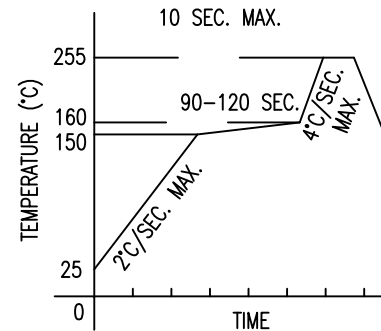




A LEAD FREE REFLOW PROFILE

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

| PARAMETER         | MIN                  | TYP   | MAX | UNITS          | TEST COND           |
|-------------------|----------------------|-------|-----|----------------|---------------------|
| PEAK WAVELENGTH   |                      | 636   |     | nm             |                     |
| FORWARD VOLTAGE * |                      | 2.0   | 2.5 | $V_f$          |                     |
| REVERSE VOLTAGE   | 5.0                  |       |     | $V_r$          | $I_r=10\mu\text{A}$ |
| AXIAL INTENSITY   | 14000                | 30000 |     | $\mu\text{cd}$ | $I_f=10\text{mA}$   |
| EMITTED COLOR:    | RED                  |       |     |                |                     |
| FACE COLOR:       | GRAY                 |       |     |                |                     |
| SEGMENT COLOR:    | MILKY WHITE DIFFUSED |       |     |                |                     |

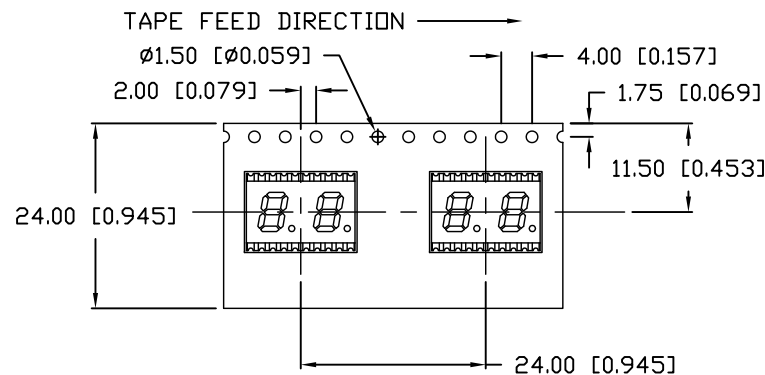
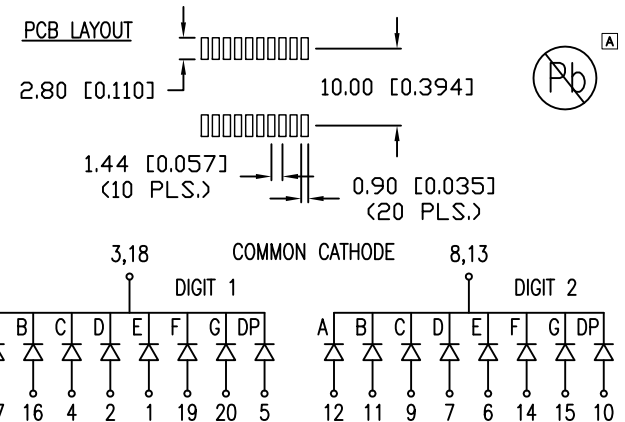
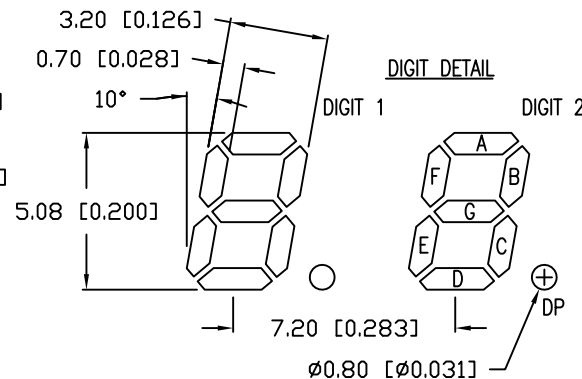
\*D

LIMITS OF SAFE OPERATION AT  $25^\circ\text{C}$  PER SEGMENT

| PARAMETER                      | MAX        | UNITS                |
|--------------------------------|------------|----------------------|
| PEAK FORWARD CURRENT*          | 185        | mA                   |
| STEADY CURRENT                 | 30         | mA                   |
| POWER DISSIPATION              | 75         | mW                   |
| DERATE FROM $25^\circ\text{C}$ | -1.2       | mW/ $^\circ\text{C}$ |
| OPERATING, STORAGE TEMP.       | -40 TO +85 | $^\circ\text{C}$     |

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

## PCB LAYOUT

TOTAL TIME ABOVE  $220^\circ\text{C}$  IS 60 SECONDS MAX.

\*UNLESS OTHERWISE SPECIFIED TOLERANCES PER DECIMAL PRECISION ARE:  $X=\pm 1$  ( $\pm 0.039$ ),  $X.X=\pm 0.5$  ( $\pm 0.020$ ),  $X.XX=\pm 0.25$  ( $\pm 0.010$ ),  $X.XXX=\pm 0.127$  ( $\pm 0.005$ ). LEAD SIZE= $\pm 0.05$  ( $\pm 0.002$ ), LEAD LENGTH= $\pm 0.75$  ( $\pm 0.030$ ). MIN.=+DECIMAL PRECISION MAX.=+0.00 -0.00

REV.

— LDD-SMC2004RISI-TR

PART NUMBER

0.20" DUAL DIGIT, SEVEN SEGMENT, SMT LED DISPLAY,  
636nm RED CHIPS, GRAY FACE WITH WHITE SEGMENTS,  
COMMON CATHODE, 20 PADS, TAPE AND REEL.

## CONFIDENTIAL INFORMATION

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## RELIABILITY NOTE

OUR MANY YEARS OF EXPERIENCE DATA ACCUMULATION INDICATE THAT SOLDER HEAT IS A MAJOR CAUSE OF EARLY AND FUTURE FAILURE. PLEASE PAY ATTENTION TO YOUR SOLDERING PROCESS.

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