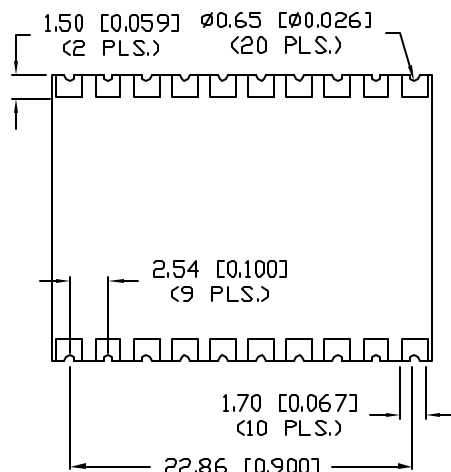
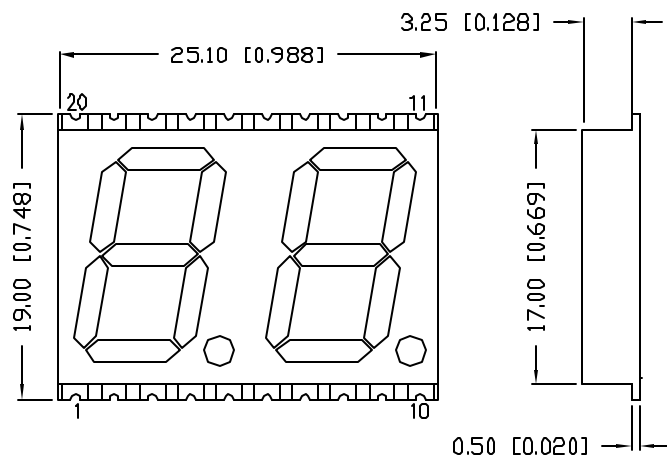
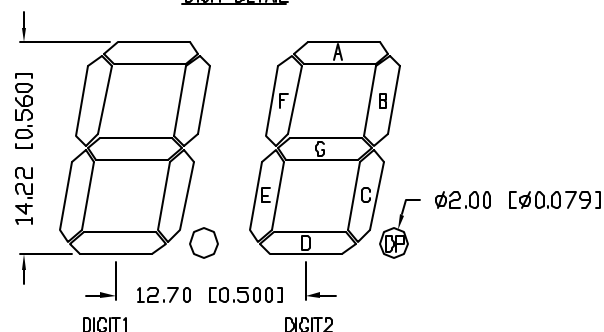


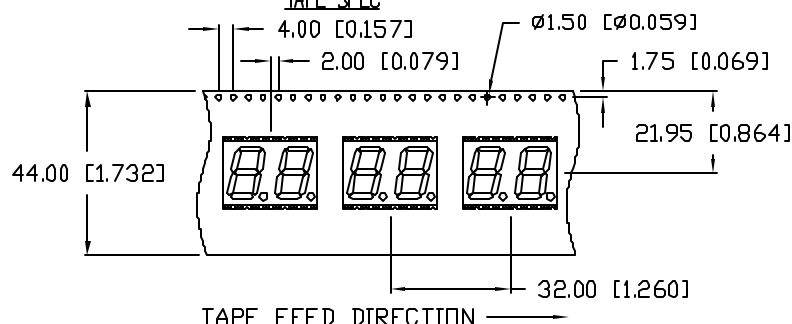
UNCONTROLLED DOCUMENT



### DIGIT DETAIL



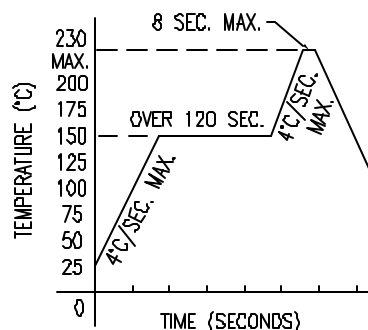
TAPE SPEC



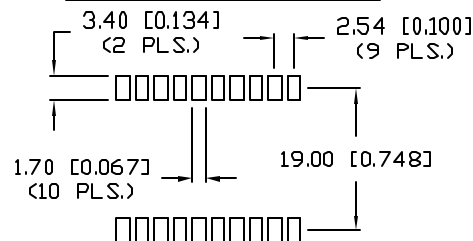
TAP FEED DIRECTION

\*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  
-0.00 MAX.=+0.00  
-DECIMAL PRECISION

REFLOW PROFILE



### RECOMMENDED SOLDER PAD LAYOUT

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

| PARAMETER       | MIN                  | TYP  | MAX | UNITS          | TEST COND             |
|-----------------|----------------------|------|-----|----------------|-----------------------|
| PEAK WAVELENGTH |                      | 574  |     | nm             |                       |
| FORWARD VOLTAGE |                      | 2.2  | 2.6 | V <sub>f</sub> |                       |
| REVERSE VOLTAGE | 5.0                  |      |     | V <sub>r</sub> | I <sub>r</sub> =100μA |
| AXIAL INTENSITY |                      | 7000 |     | μcd            | I <sub>f</sub> =10mA  |
| EMITTED COLOR:  | GREEN                |      |     |                |                       |
| FACE COLOR:     | GRAY                 |      |     |                |                       |
| SEGMENT COLOR:  | MILKY WHITE DIFFUSED |      |     |                |                       |

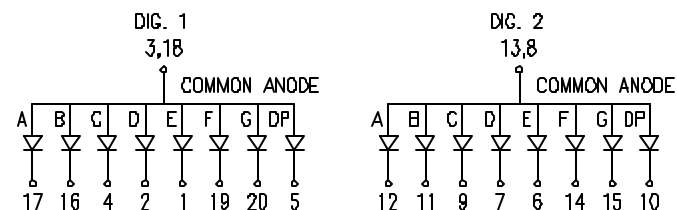
LIMITS OF SAFE OPERATION AT 25°C PER CHIP

| PARAMETER                | MAX          | UNITS |
|--------------------------|--------------|-------|
| PEAK FORWARD CURRENT*    | 140          | mA    |
| STEADY CURRENT           | 25           | mA    |
| POWER DISSIPATION        | 105          | mW    |
| DERATE FROM 25°C         | - 1.2        | mW/°C |
| OPERATING, STORAGE TEMP. | - 40 TO + 85 | °C    |

\*  $t < 10 \mu s$

NOTES:

1. 400 PIECES PER REEL.



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REV.

PART NUMBER

LDD-SMA5602RISUGTR

0.56" SURFACE MOUNT, DUAL DIGIT 7 SEGMENT DISPLAY,  
COMMON ANODE, 574nm GREEN, GRN/WHT.

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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.

DRAWN BY:

GB

CHECKED BY:

APPROVED BY:

DATE: 10.9.03

PAGE: 1 OF 1

SCALE: N/A

PART NUMBER

LDD-SMA5602RISUGTR

REV.