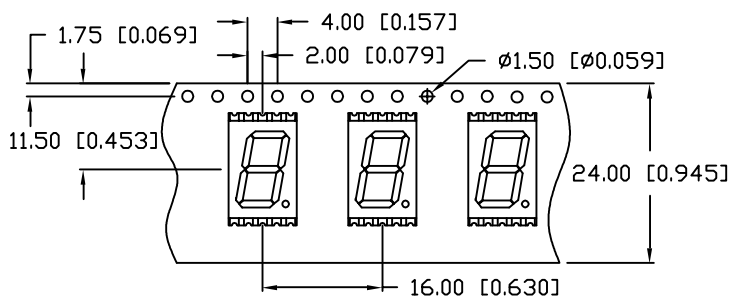
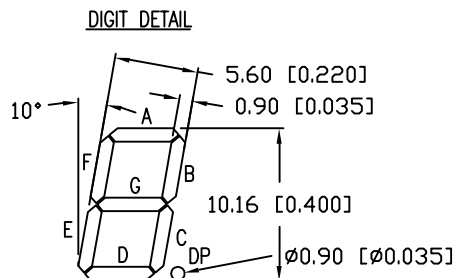
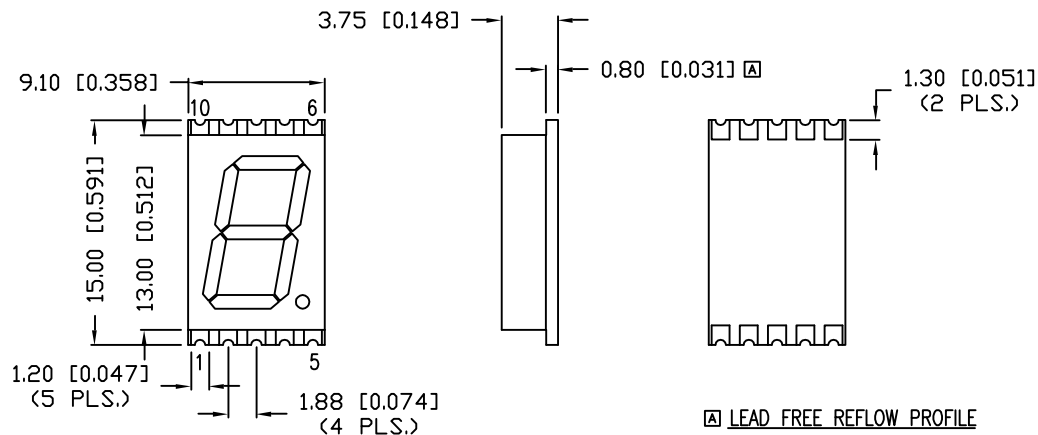


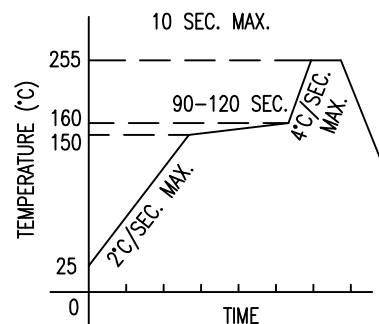
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TAPE FEED DIRECTION →

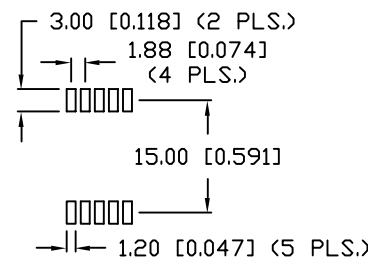
*UNLESS OTHERWISE SPECIFIED TOLERANCES PER DECIMAL PRECISION ARE: X=±1 (±0.039), X.X=±0.5 (±0.020), X.XX=±0.25 (±0.010), X.XXX=±0.127 (±0.005). LEAD SIZE=±0.05 (±0.002), LEAD LENGTH=±0.75 (±0.030). MIN= +DECIMAL PRECISION MAX= +0.00 -DECIMAL PRECISION

A LEAD FREE REFLOW PROFILE



TOTAL TIME ABOVE 220°C IS 60 SECONDS MAX.

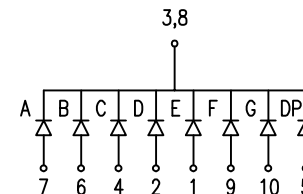
SOLDER PAD LAYOUT



NOTES:

1. 800 PCS/REEL

POLARITY DIAGRAM



LDS-SMC4008RI-SOTR

PART NUMBER

REV.

A

| REV. | E.C.N. NUMBER AND REVISION COMMENTS | DATE |
|------|-------------------------------------|---------|
| A | E.C.N. #11446. | 9.27.07 |

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

| PARAMETER | MIN | TYP | MAX | UNITS | TEST COND |
|-----------------|----------------------|-------|-----|----------------|----------------------|
| PEAK WAVELENGTH | | 620 | | nm | |
| FORWARD VOLTAGE | | 2.0 | 2.5 | V_f | |
| REVERSE VOLTAGE | 5.0 | | | V_r | $I_r=100\mu\text{A}$ |
| AXIAL INTENSITY | | 15000 | | μcd | $I_f=10\text{mA}$ |
| EMITTED COLOR: | ORANGE | | | | |
| FACE COLOR: | GRAY | | | | |
| SEGMENT COLOR: | MILKY WHITE DIFFUSED | | | | |

LIMITS OF SAFE OPERATION AT 25°C PER CHIP

| PARAMETER | MAX | UNITS |
|--------------------------|------------|-------|
| PEAK FORWARD CURRENT* | 175 | mA |
| STEADY CURRENT | 30 | mA |
| POWER DISSIPATION | 125 | mW |
| DERATE FROM 25°C | -1.2 | mW/°C |
| OPERATING, STORAGE TEMP. | -40 TO +85 | °C |

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

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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.



290 E. HELEN ROAD
 PALATINE, IL 60067-6976
 PHONE: +1.847.359.2790
 US WEB: www.lumex.com
 TW WEB: www.lumex.com.tw

0.40" 7 SEGMENT DISPLAY, GRAY FACE,
 620nm ORANGE CHIPS, WHITE SEGMENTS, COMMON CATHODE.

| | | | |
|-----------|-------------|--------------|---------------|
| DRAWN BY: | CHECKED BY: | APPROVED BY: | DATE: 8.26.03 |
| GB | | | PAGE: 1 OF 1 |
| | | | SCALE: N/A |

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