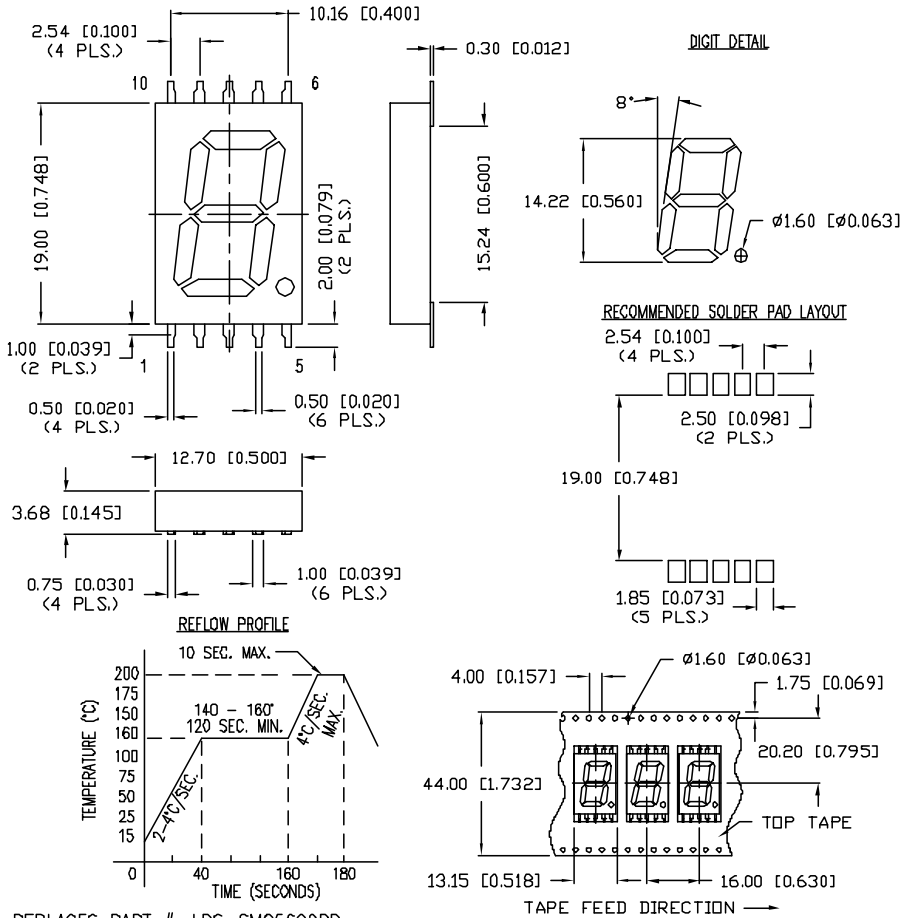


UNCONTROLLED DOCUMENT



| | | |
|------------------|-------------------------------------|---------|
| PART NUMBER | | REV. |
| LDS-SMC5602RD-TR | | A |
| REV. | E.C.N. NUMBER AND REVISION COMMENTS | DATE |
| A | E.C.N. #10844. | 3.21.02 |

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

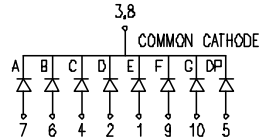
| PARAMETER | MIN | TYP | MAX | UNITS | TEST COND |
|-----------------|----------------------|------|-----|----------------|----------------------|
| PEAK WAVELENGTH | | 565 | | nm | |
| FORWARD VOLTAGE | | 2.2 | 2.6 | V_f | |
| REVERSE VOLTAGE | 5.0 | | | V_r | $I_f=100\mu\text{A}$ |
| AXIAL INTENSITY | | 1800 | | μcd | $I_f=10\text{mA}$ |
| EMITTED COLOR: | GREEN | | | | |
| FACE COLOR: | BLACK | | | | |
| SEGMENT COLOR: | MILKY WHITE DIFFUSED | | | | |

LIMITS OF SAFE OPERATION AT 25°C

| PARAMETER | MAX | UNITS |
|--------------------------------|------------|----------------------|
| PEAK FORWARD CURRENT* | 150 | mA |
| STEADY CURRENT | 25 | mA |
| POWER DISSIPATION | 105 | mW |
| DERATE FROM 25°C | -1.2 | mW/ $^\circ\text{C}$ |
| OPERATING, STORAGE TEMP. | -40 TO +85 | $^\circ\text{C}$ |
| SOLDERING TEMP. | +260 | $^\circ\text{C}$ |
| 2.0mm FROM BODY | 3 SEC. MAX | |

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

NOTES:
1. 1,000 PCS. PER REEL.



UNCONTROLLED DOCUMENT

REPLACES PART #: LDS-SMC5602RD

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

| | |
|------|------------------|
| REV. | PART NUMBER |
| A | LDS-SMC5602RD-TR |

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0.56" SINGLE DIGIT SEVEN SEGMENT DISPLAY.
SURFACE MOUNT, 565nm GREEN CHIPS,
BLACK FACE, MILKY WHITE DIFFUSED.

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: | CHECKED BY: | APPROVED BY: | DATE: |
| CT | | | 6.27.01 |
| | | | PAGE: 1 OF 1 |
| | | | SCALE: N/A |