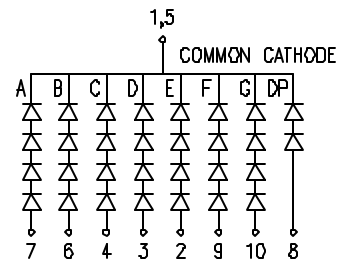
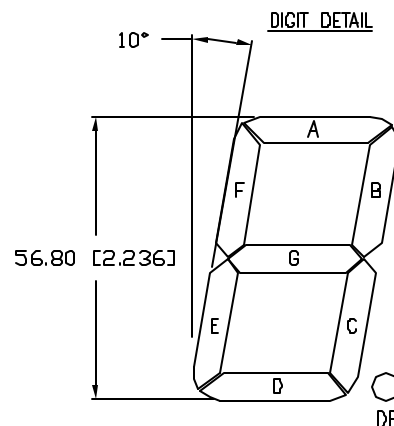
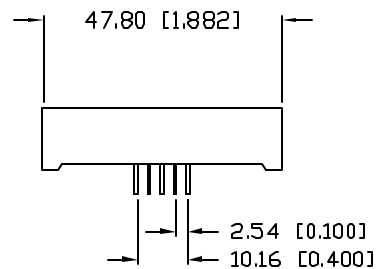
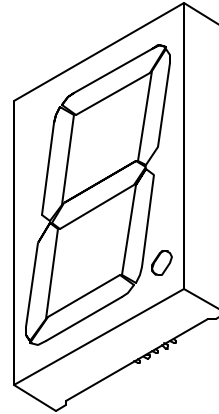
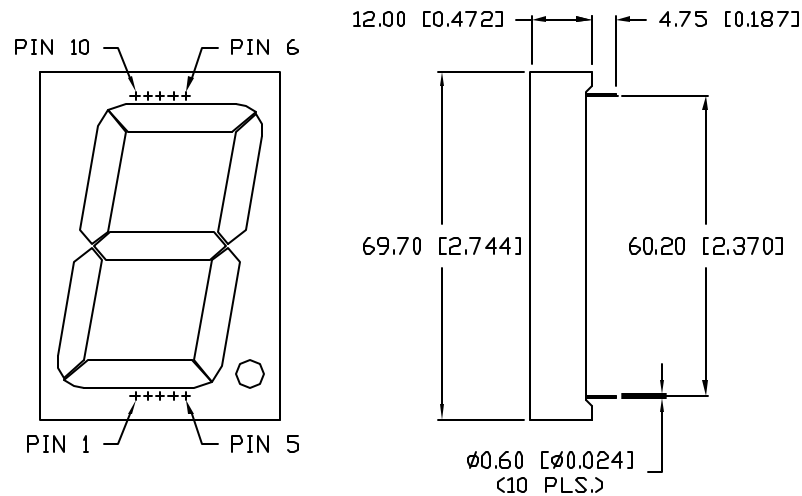


UNCONTROLLED DOCUMENT

PART NUMBER  
LDS-CD12RI-SUG

REV.



| 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 *               |             | 8.8/4.4                  | 10.4/5.2 | $V_f$             |                      |
| REVERSE VOLTAGE                 | 5.0         |                          |          | $V_R$             | $I_R=100\mu\text{A}$ |
| AXIAL INTENSITY                 |             | 14000                    |          | $\mu\text{cd}$    | $I_f=10\text{mA}$    |
| EMITTED COLOR:                  | GREEN       |                          |          |                   |                      |
| FACE COLOR:                     | GRAY        |                          |          |                   |                      |
| SEGMENT COLOR:                  | MILKY WHITE | DIFFUSED                 |          |                   |                      |

\* SECOND VALUE FOR DOUBLE CHIP IN DECIMAL POINT.

| PARAMETER                | MAX        | UNITS      |
|--------------------------|------------|------------|
| PEAK FORWARD CURRENT*    | 150        | mA         |
| STEADY CURRENT           | 25         | mA         |
| POWER DISSIPATION        | 120        | mW         |
| DERATE FROM 25°C         | -1.2       | mW/°C      |
| OPERATING, STORAGE TEMP. | -40 TO +85 | °C         |
| SOLDERING TEMP.          | +260       | °C         |
| 2.0mm FROM BODY          |            | 3 SEC. MAX |

\*  $t < 10 \mu s$

\*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.=<sup>+DECIMAL PRECISION</sup><sub>-0.00</sub> MAX.=<sup>+0.00</sup><sub>-DECIMAL PRECISION</sub>

REV.

PART NUMBER  
LDS-CD12RI-SUG

2.25" SEVEN SEGMENT, SINGLE DIGIT DISPLAY,  
574nm GREEN CHIPS, GRAY FACE WITH WHITE SEGMENTS,  
COMMON CATHODE, 10 PINS.

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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DATE: 7.3.03

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SCALE: N/A

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