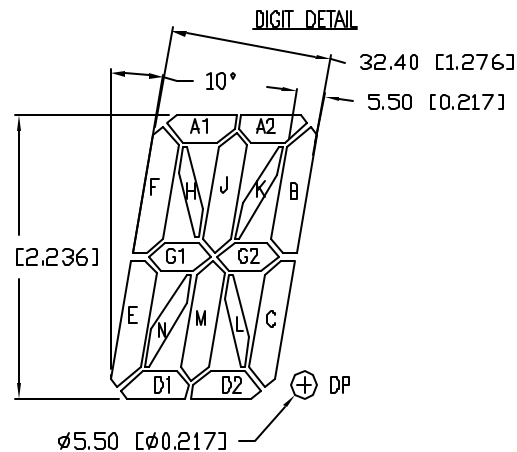
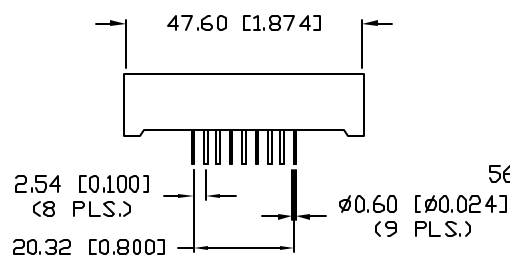
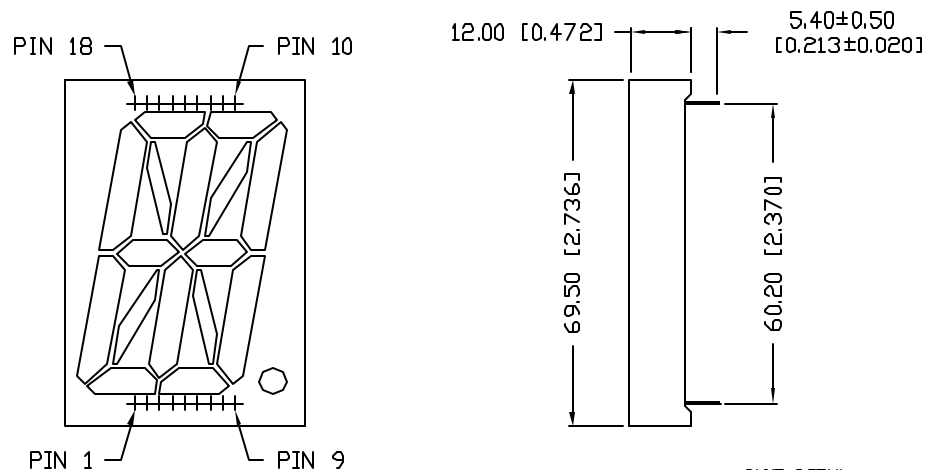


\*UNLESS OTHERWISE SPECIFIED TOLERANCES PER DECIMAL PRECISION ARE: X=±1 (±0.039), X.X=±0.5 (±0.020), X.XX=±0.25 (±0.010), X.XXX=±0.127 (±0.005). LEAD SIZE=±0.05 (±0.002), LEAD LENGTH=±0.75 (±0.030), MIN=+0.00 DECIMAL PRECISION MAX.=+0.00 DECIMAL PRECISION

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

| PARAMETER         | MIN                  | TYP       | MAX     | UNITS          | TEST COND             |
|-------------------|----------------------|-----------|---------|----------------|-----------------------|
| PEAK WAVELENGTH   |                      | 660 (RED) |         | nm             |                       |
| FORWARD VOLTAGE * |                      | 3.6/7.2   | 4.6/9.2 | V <sub>f</sub> |                       |
| REVERSE VOLTAGE   | 4.0                  |           |         | V <sub>r</sub> | I <sub>r</sub> =100μA |
| AXIAL INTENSITY   |                      | 20,000    |         | μcd            | I <sub>f</sub> =10mA  |
| EMITTED COLOR:    | SUPER RED            |           |         |                |                       |
| FACE COLOR:       | GRAY                 |           |         |                |                       |
| SEGMENT COLOR:    | MILKY WHITE DIFFUSED |           |         |                |                       |

\* FIRST VALUE FOR ONE CHIP IN SEGMENT A1, A2, D1, D2, G1, G2, H, K, N, L, DP.  
SECOND VALUE FOR TWO CHIPS IN SEGMENT B, C, E, F, J, M.

## LIMITS OF SAFE OPERATION AT 25°C PER DIE

| PARAMETER                | MAX        | UNITS |
|--------------------------|------------|-------|
| PEAK FORWARD CURRENT*    | 150        | mA    |
| STEADY CURRENT           | 30         | mA    |
| POWER DISSIPATION        | 100        | mW    |
| DERATE FROM 25°C         | -1.2       | mW/°C |
| OPERATING, STORAGE TEMP. | -20 TO +80 | °C    |
| SOLDERING TEMP.          | +260       | °C    |
| 2.0mm FROM BODY          | 3 SEC. MAX |       |

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

REV.

PART NUMBER  
LDS-EB225RI

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2.3" SINGLE DIGIT ALPHA NUMERIC DISPLAY,  
660nm SUPER RED CHIPS, GRAY FACE,  
MILKY WHITE DIFFUSED LENS, COMMON ANODE.

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:<br>GT | CHECKED BY: | APPROVED BY: | DATE: 2.15.02 |
|                 |             |              | PAGE: 1 OF 1  |
|                 |             |              | SCALE: N/A    |

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