

UNCONTROLLED DOCUMENT

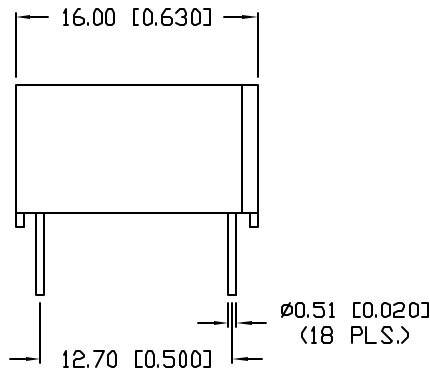
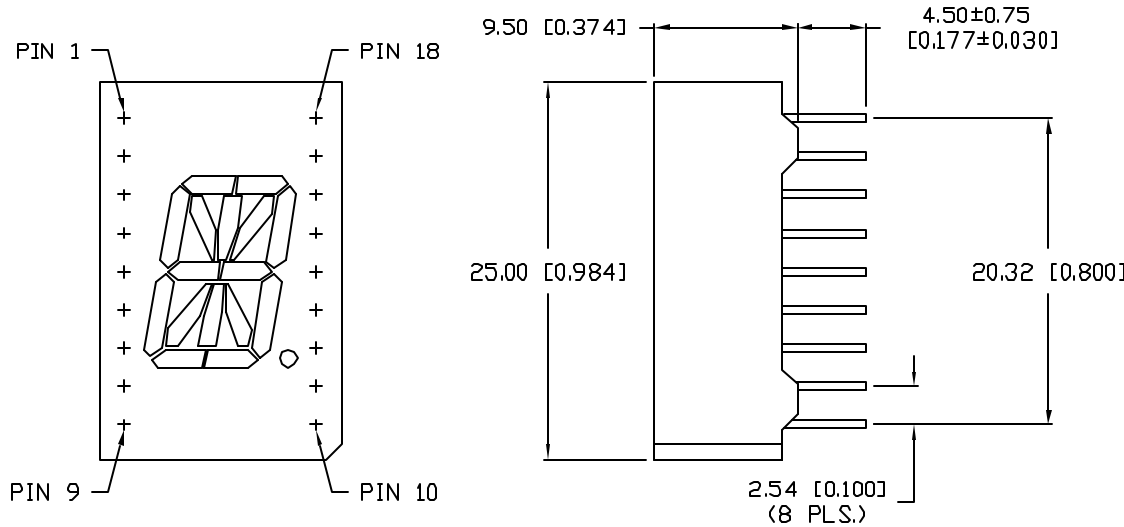


PART NUMBER  
LDS-E5004RI

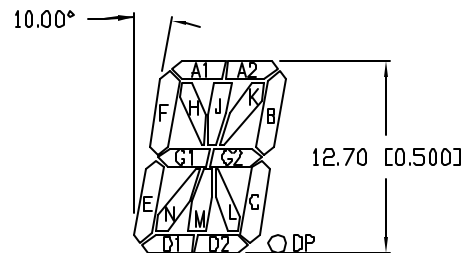
REV.

REV. | E.C.N. NUMBER AND REVISION COMMENTS

DATE



CHARACTER DETAIL



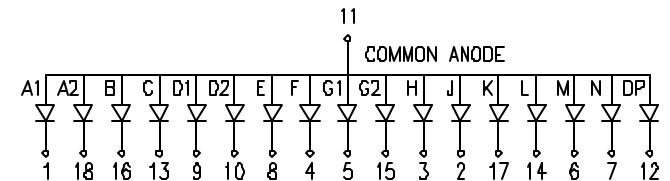
ELECTRO-OPTICAL CHARACTERISTICS  $T_A=25^\circ\text{C}$   $I_f=10\text{mA}$

| PARAMETER       | MIN                  | TYP  | MAX | UNITS          | TEST COND             |
|-----------------|----------------------|------|-----|----------------|-----------------------|
| PEAK WAVELENGTH |                      | 635  |     | nm             |                       |
| FORWARD VOLTAGE |                      | 2.0  | 2.5 | V <sub>f</sub> |                       |
| REVERSE VOLTAGE | 5.0                  |      |     | V <sub>r</sub> | I <sub>r</sub> =100μA |
| AXIAL INTENSITY |                      | 2500 |     | μcd            | I <sub>f</sub> =10mA  |
| EMITTED COLOR:  | RED                  |      |     |                |                       |
| FACE COLOR:     | GRAY                 |      |     |                |                       |
| SEGMENT COLOR:  | MILKY WHITE DIFFUSED |      |     |                |                       |

LIMITS OF SAFE OPERATION AT 25°C PER CHIP

| PARAMETER                | MAX        | UNITS      |
|--------------------------|------------|------------|
| PEAK FORWARD CURRENT*    | 150        | mA         |
| STEADY CURRENT           | 30         | mA         |
| POWER DISSIPATION        | 105        | 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 < 10μS



REPLACES PART #: LDS-A564RI

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\*UNLESS OTHERWISE SPECIFIED TOLERANCE IS ±0.25mm (±0.010")

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0.50" SINGLE DIGIT, SIXTEEN SEGMENT DISPLAY,  
ALPHANUMERIC DESIGN, COMMON ANODE,  
635nm RED CHIPS, GRAY FACE WITH WHITE SEGMENTS.

**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: 8-5-99

BC

PAGE: 1 OF 1

SCALE: N/A